National Bureau of Standards
Library, N.W. Bldg
AUG 3 1 1962

PART A

IONOSPHERIC DATA

ISSUED
AUGUST 1962

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 216
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

Issued
22 Aug. 1962

IONOSPHERIC DATA

CONTENTS

	Page
Ionospheric Data (revised text)	ii
Table of Smoothed Observed Zurich Sunspot Numbers	iii
World-Wide Sources of Ionospheric Data	iv
Tabulations of Electron Density Data -- Special Notice follows p. v.	
Tables of Ionospheric Data	1
Graphs of Ionospheric Data	26
Index of Tables and Graphs of Ionospheric Data in CRPL-F216 (Part A)	51

IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and dissemination of ionospheric and related geophysical data. While originally a by-product of the collection of data by the CRPL for use in radio propagation studies, the CRPL-F series bulletins, Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," have provided useful service by collecting and making available a wide variety of data in convenient form for use in research, not only on radio propagation and the ionosphere, but also on a wide variety of geophysical problems. Beginning with CRPL-F 211, Part A, "Ionospheric Data," a number of changes have been made in the tables of ionospheric data which, by providing more information, should increase their usefulness.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into median determination (count) for all ionospheric characteristics listed. Also, the upper and lower quartile values, indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and (M3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods, which, by improving the speed and efficiency of preparation, permit earlier publication of the data.

Graphs of critical frequencies and (M3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. This change was necessary to provide space for the enlarged tables. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are still available from the CRPL and the IGY World Data Center A for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F-series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with original data. The tables and graphs now show the ionospheric data just as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data now rests entirely with the originator.

Gaps in the tables when data normally might be expected indicate the data were not provided by the originator. Following the recommendation of the World-Wide Soundings Committee, only values of median foEs are listed. In the few cases where fEs is still reported instead of foEs, the data will not be printed. Data will appear in the F-series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1961, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	9	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	48
1962	44											

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, FoE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

The ionospheric data given here in tables 1 to 100 and figures 1 to 100 were assembled by the Central Radio Propagation Laboratory for analysis and correlation, incidental to CRPL prediction of radio propagation conditions. The data are median values unless otherwise indicated. The following are the sources of the data in this issue:

Republica Argentina, Ministerio de Marina:
- Trelew, Argentina
- Tucuman, Argentina

Commonwealth of Australia, Ionospheric Prediction Service of the Commonwealth Observatory:
- Canberra, Australia

Belgian Royal Meteorological Institute:
- Dourbes, Belgium

Escola Politecnica, University of Sao Paulo:
- Sao Paulo, Brazil

Defence Research Board, Canada:
- Clyde, Baffin I.
- Eureka, Canada
- Frobisher Bay, Canada
- Meanook, Canada
- Ottawa, Canada
- Victoria, Canada

Radio Wave Research Laboratories, National Taiwan University, Taipeh, Formosa, China:
- Formosa, China

Danish National Committee of URSI:
- Godhavn, Greenland
- Narssarssuaq, Greenland

French National Center for Telecommunications Studies:
- Casablanca, Morocco
- Dakar, French West Africa
- Djibouti, French Somaliland
- Poitiers, France
- Tamanrasset, French West Africa
- Tananarive, Madagascar
- Terre Adelie

Heinrich Hertz Institute, German Academy of Sciences, Berlin:
- Juliusruh/Rügen, Germany

The Royal Netherlands Meteorological Institute:
De Bilt, Holland

Icelandic Post and Telegraph Administration:
Reykjavik, Iceland

Manila Observatory:
Baguio, P. I.

South African Council for Scientific and Industrial Research:
Salisbury, Southern Rhodesia (University College of Rhodesia and Nyasaland)

Research Institute of National Defence, Stockholm, Sweden:
Lycksele, Sweden

United States Army Signal Corps:
Adak, Alaska
Grand Bahama I.
White Sands, New Mexico

National Bureau of Standards (Central Radio Propagation Laboratory):
Anchorage, Alaska
Boulder, Colorado
Byrd Station, Antarctica
Fairbanks (College), Alaska (Geophysical Institute of the University of Alaska)
Maui, Hawaii
Point Barrow, Alaska
Pole Station, Antarctica

SPECIAL NOTICE

Termination of Hourly Electron Density Profile Tabulations

Hourly N(h) profiles for the Puerto Rico station have been published in the CRPL-F Reports, Part A, since May 1959, starting with the data for February 1959. This program terminated with the publication in CRPL-F215 of the data for March 1962. It is believed that this program has satisfied the objective of making available a large volume of profiles produced by methods of conventional accuracy. However, in anticipation of the increasing precision required by modern applications, we intend to concentrate further work on the calculation of more accurate profiles, inevitably in smaller volume.

TABLES OF IONOSPHERIC DATA

JULY 1961 - JANUARY 1957

TABLE 1

FAIRBANKS, ALASKA (64.9N, 147.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	425	U 43	U 48	465	48	475	50	51	49	50	50	50	51	52	525	53	51	52	51	50	46	43	44	405
	CNT	10	7	6	10	11	14	11	16	16	19	20	20	21	19	22	21	21	20	23	19	22	16	16	12
	UQ	45	48	50	50	50	50	53	53	53	52	52	52	54	53	55	55	54	52	52	51	51	45	46	44
	LQ	40	40	48	43	42	45	45	46	46	47	46	47	48	49	50	50	50	50	50	48	40	38	40	38
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UO																								
	LD																								
(M3000)F2	MED	205	U 285	U 285	U 285	280	285	270	270	270	2675	265	260	2675	280	2775	285	290	2975	3025	3125	310	3075	300	300
	CNT	10	7	6	8	11	12	11	15	16	18	19	19	20	18	22	21	20	20	22	16	21	16	16	12
	UQ	300	300	285	290	285	290	290	295	285	280	280	270	280	290	290	300	305	310	315	320	325	320	320	310
	LD	275	275	280	280	275	280	255	250	250	260	245	240	250	260	265	265	265	290	290	300	300	290	285	280
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	39	43	42										D 31	33									27	31
	CNT	24	23	17	14	14	14	14	18	17	20	20	20	21	19	22	21	21	23	23	21	24	21	21	18

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JULY, 1961

TABLE 2

FAIRBANKS, ALASKA (64.9N, 147.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	47	47	48	U 49	52	53	495	545	51	51	54	52	52	53	53	53	53	52	52	52	505	50	47
	CNT	17	14	16	16	17	18	21	24	20	22	25	25	26	27	29	28	28	29	27	25	26	26	21	16
	UQ	48	49	48	50	52	54	55	56	57	57	58	60	57	56	55	57	57	55	56	56	56	54	52	50
	LQ	43	45	44	46	46	47	47	47	46	48	48	49	48	48	47	50	50	50	50	50	47	46	44	42
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ				-																				
	LQ																								
(M3000)F2	MED	295	2925	290	280	U 280	270	270	265	2675	265	270	2725	275	270	275	2775	285	290	295	305	310	315	310	300
	CNT	15	14	15	16	17	18	21	24	20	22	25	24	25	27	27	28	27	29	27	25	25	26	21	15
	UQ	305	305	305	290	290	280	280	275	270	275	280	280	290	290	290	290	295	300	305	310	320	320	320	315
	LQ	280	280	280	275	255	265	265	250	250	250	250	260	250	255	255	260	270	280	290	290	305	300	305	285
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	40	35	42	45	45	39	32	31	31	32	35	35	33						295	32	32	43	27	32
	CNT	23	23	25	25	25	26	24	27	23	23	25	25	27	27	29	28	28	29	28	29	29	27	24	23

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1961

TABLE 3

ANCHORAGE, ALASKA (61.2N, 149.9W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	415	38	U 42	U 41	45	48	50	515	525	54	54	53	54	52	51	52	52	52	525	53	53	54	52	U 45
	CNT	26	26	27	25	24	26	29	30	28	29	27	27	29	27	25	27	29	28	27	27	28	27	28	25
	UQ	48	44	44	44	48	54	55	55	56	58	59	59	59	58	57	54	54	55	55	56	58	58	55	54
	LQ	36	32	36	36	40	43	46	47	46	47	48	48	47	48	48	48	49	49	50	51	49	49	40	38
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	290	U 290	U 290	U 280	275	265	275	270	265	270	270	275	270	270	285	275	285	290	300	305	310	315	310	U 295
	CNT	26	24	25	25	23	23	29	30	27	29	27	27	29	27	25	27	29	28	27	27	28	27	28	25
	UQ	300	300	300	290	285	280	290	280	280	280	280	290	285	285	300	290	300	300	305	315	315	320	320	310
	LQ	280	285	280	270	265	260	260	260	255	260	250	260	235	265	275	260	280	290	295	300	300	310	300	290
foF1	MEO					U 310	350	370	390	405	420	435	440	440	440	440	430	420	U 410						
	CNT					12	25	28	30	28	29	28	27	29	28	27	26	22	11	1					
foE	MED		E		U 160	U 195	230	260	280	U 290	310	320	U 320	320	U 320	U 310	310	U 290	U 280	260	U 230				
	CNT			5	5	9	13	19	18	16	21	14	15	10	15	12	12	10	18	14	14	3	3	2	
h'E	MED		E		U 125	118	112	105	105	103	103	103	101	101	101	101	101	105	105	109	115	125	125		
	CNT	1	6	6	15	16	18	22	27	25	27	26	26	27	27	26	26	25	24	23	22	17	5	4	
foEs	MED	22	27	27	17	26	26	28	31	31	36	36	365	35	35	33			29	365	38	445	35	235	23
	CNT	29	29	30	29	27	28	29	30	29	29	28	28	29	28	27	28	30	30	30	29	30	29	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1961

TABLE 4

FAIRBANKS, ALASKA (64.9N, 147.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	405	U 44	425	44	U 46	47	48	49	50	52	50	49	495	50	51	51	51	53	50	48	49	44	U 40	40
	CNT	16	15	10	19	21	18	22	26	27	26	28	31	30	28	29	28	30	27	31	29	24	20	19	14
	UQ	46	47	45	45	49	52	53	52	54	55	52	54	54	54	53	54	55	55	53	52	50	49	47	44
	LQ	36	40	40	40	42	42	44	43	44	46	46	45	45	45	47	48	47	49	47	45	44	40	35	38
h'F2	MEO																								
	CNT																								
	UD																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MEO	290	U 285	2825	290	U 275	275	2675	270	265	270	260	265	270	2725	275	285	2875	2975	300	310	315	3125	U 310	3025
	CNT	15	14	10	19	21	16	22	25	27	26	26	28	26	24	29	28	30	26	31	29	23	20	19	14
	UD	300	290	300	295	290	290	280	280	280	285	275	280	280	285	280	290	290	300	305	315	325	320	315	305
	LD	280	280	275	275	260	260	250	250	255	250	255	245	255	250	265	270	270	285	285	290	305	305	290	295
foF1	MEO																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MEO																								
	CNT																								
foEs	MED	39	39	47	39	29																		31	33
	CNT	27	25	27	30	28	25	28	28	27	26	28	31	30	28	29	28	31	27	31	30	29	30	30	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 5

ADAK, ALASKA (51.9N, 176.6W)

TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	415	39	39	38	44	49	52	53	52	535	525	53	53	53	53	54	535	555	57	60	60	57	505
	CNT	21	20	24	22	29	31	31	31	29	26	26	26	27	30	31	31	31	30	30	31	30	29	26	24
	UQ	48	46	42	43	40	48	53	58	58	57	58	57	56	55	56	56	58	58	61	62	64	64	60	54
	LQ	41	34	32	30	35	41	44	48	49	49	50	49	49	50	50	49	50	51	51	53	54	57	51	45
h'F2	MED					U															U				
	CNT					389	395	405	381	381	3915	394	410	4065	399	388	370	327	3145	290	2745				
	UQ					8	27	27	31	29	26	25	25	26	27	30	29	24	18	17	8				
	LQ					405	420	434	430	425	455	456	526	498	453	456	395	356	350	306	283				
						368	363	352	352	356	343	356	369	374	363	360	349	314	296	278	260				
h'F	MED	E						U	E	E		U	U	U	U				U	U					
	CNT	262	275	280	287	280	251	2345	220	2215	202	200	207	205	201	203	2095	216	230	244	249	253	245	251	256
	UQ	31	31	31	31	30	28	28	28	24	21	23	25	25	29	29	30	30	27	23	27	30	31	30	30
	LQ	280	286	296	300	302	260	244	234	226	210	220	221	218	208	210	221	228	238	260	260	260	259	266	274
		249	267	270	275	264	236	225	212	214	199	194	194	199	194	197	204	210	220	235	244	242	236	233	243
(M3000)F2	MED	285	290	280	280	280	270	2775	280	285	2825	290	290	285	290	285	295	3025	305	315	320	310	305	305	300
	CNT	19	18	22	22	28	31	30	31	28	26	25	23	22	29	29	30	30	30	30	31	30	28	24	21
	UQ	290	295	290	285	290	285	285	290	300	300	300	300	300	300	300	305	310	315	320	320	315	315	310	310
	LQ	280	280	280	275	270	270	265	270	270	270	270	250	260	270	270	285	295	295	305	310	300	300	290	285
foF1	MED					U																			
	CNT					270	320	360	390	420	430	440	450	450	450	440	440	420	395						
						7	21	24	28	25	22	22	23	27	30	28	28	21	6						
foE	MED								U	U	U	U	O	U	U	U	U		U						
	CNT						200	240	2775	300	320	325	330	3325	325	320	310	290	265	2225					
						4	11	20	22	20	15	15	11	10	9	11	15	18	19	12	2				
h'E	MED																					E			
	CNT					121	110	102	101	101	100	100	100	100	100	100	100	101	103	105	1165				
						13	30	31	31	30	29	30	30	31	31	31	31	31	29	30	22	11			
foEs	MED					17	23	29	33	36	385	40	44	40	37	35	34	32	31	33	25	25	16	12	
	CNT	31	31	31	31	31	31	31	31	31	30	30	29	31	31	31	31	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 6

BOULDER, COLORADO (40.0N, 105.3W)

TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	40	37	35	33	37	45	50	545	57	605	61	63	64	62	645	64	61	60	615	62	555	48	43
	CNT	19	23	20	22	21	22	22	22	22	22	22	26	25	25	26	26	25	25	25	24	24	22	21	21
	UQ	47	43	40	38	36	38	47	53	59	64	66	66	66	68	71	70	70	67	68	70	67	59	52	50
	LQ	35	33	31	30	28	33	39	42	45	49	50	52	54	55	56	57	57	54	56	57	56	50	43	38
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	2975	295	2925	295	300	3125	310	300	2925	2925	295	290	290	290	290	300	3025	305	310	320	3125	310	300	290
	CNT	18	21	18	18	19	22	22	22	22	22	21	25	25	25	26	25	24	25	25	23	22	21	19	19
	UQ	300	300	300	300	310	325	325	315	310	310	300	300	300	300	300	305	310	315	320	320	320	310	310	300
	LQ	280	280	280	285	290	300	300	275	265	280	260	265	265	270	280	290	295	300	300	310	305	300	295	280
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED				21	24		25	31	36	385	40	41	41	38	37	36	34	29	26	25	29	31	25	
	CNT	22	23	22	23	23	22	20	21	22	22	22	25	25	24	26	24	24	25	25	25	24	23	23	23

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 7

FAIRBANKS, ALASKA (64.9N, 147.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U																	U	U	U	
	CNT	32	37	36	38	37	425	43	47	47	50	50	51	53	505	53	54	54	52	525	50	47	42	39	35
	UQ	11	7	12	14	13	14	19	20	24	22	22	21	19	24	26	25	24	25	24	24	23	21	14	13
	LQ	44	40	40	43	44	48	49	50	50	54	54	56	57	57	57	57	56	55	55	54	53	50	45	48
		27	33	31	35	36	37	40	44	44	45	45	46	48	48	47	49	50	48	48	44	44	35	32	30
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U	U	U	U																	U	U	U	U
	CNT	285	280	280	280	285	2825	275	2725	2675	270	275	275	275	275	285	290	295	310	310	3125	305	305	2975	295
	UQ	10	7	10	13	13	14	19	20	22	22	21	21	19	23	26	24	24	25	24	24	22	19	14	12
	LQ	290	295	285	285	290	290	290	290	280	285	290	285	295	290	290	300	310	320	320	320	320	310	300	305
		275	265	270	270	280	270	265	265	265	250	245	260	265	265	270	280	290	300	305	310	300	295	290	285
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT	345	45	40	35	31																		32	27
		30	25	27	24	22	23	23	21	24	22	22	21	20	24	26	25	24	25	25	26	27	29	27	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 8

ANCHORAGE, ALASKA (61.2N, 149.9W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U																			
	CNT	29	29	26	27	30	34	41	45	48	47	485	515	51	525	54	54	53	53	525	51	49	45	41	33
	UQ	20	21	23	23	22	22	22	27	27	29	28	28	27	26	29	29	29	29	28	29	26	27	25	23
	LQ	35	36	36	33	33	40	43	48	50	54	54	55	56	57	57	58	57	56	54	54	54	52	45	40
		24	22	20	18	24	29	37	41	43	42	44	44	45	46	47	48	50	48	48	45	43	38	34	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U	U	U	U	U																			
	CNT	285	270	270	270	270	2875	275	2675	265	265	2625	2675	270	2725	290	300	305	310	315	310	305	300	300	295
	UQ	18	21	21	23	21	22	21	26	27	29	28	28	25	26	29	29	29	28	28	29	26	27	24	23
	LQ	300	280	280	280	300	300	295	290	280	280	280	285	280	300	300	310	315	320	320	320	310	310	305	305
		275	260	265	260	260	280	250	255	245	240	235	250	250	250	270	275	300	305	305	305	300	290	295	290
foF1	MED																U								
	CNT						2	330	360	385	400	410	430	425	430	420	410								
							2	11	21	22	25	26	27	20	19	20	11	2							
foE	MED																								
	CNT					1575	180	220	250	275	2975	300	305	305	300	300	2875	2725	240	2125					
						6	11	14	19	23	22	21	27	23	21	20	24	18	17	10	4	2			
h'E	MED																				E				
	CNT					121	119	115	113	112	111	110	109	109	109	109	109	112	115	121	137				
						8	14	17	24	26	26	26	28	25	23	25	25	24	22	13	9	3			
foEs	MED			19	23																				
	CNT	30	29	29	28	27	25	23	27	27	29	29	28	26	26	29	29	29	28	26	29	29	28	29	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 9

AQAK. ALASKA (51.9N. 176.6W)

TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	37	365	365	35	39	46	495	535	57	60	60	61	61	62	625	62	61	605	585	57	53	49	435
	CNT	25	22	24	24	25	25	29	30	28	29	29	29	30	29	29	28	29	29	30	30	30	28	25	26
	UQ	43	42	41	41	41	47	50	58	63	64	68	70	71	72	68	66	67	66	65	64	62	58	56	46
	LO	36	34	32	32	32	34	41	46	48	49	50	52	55	57	56	57	57	56	56	55	52	48	42	37
h'F2	MED							U	400	371	345	3355	349	319	314	312	291	U 285							
	CNT					4		8	19	23	25	26	26	29	25	22	12	9	4						
	UQ							432	433	446	427	454	380	386	369	333	311	316							
	LO							386	339	335	296	292	301	298	282	282	278	254							
h'F	MED	U 273	E 290	293	2895	E 289	267	235	223	216	208	201	199	200	2055	2135	215	223	230	2435	2385	2405	2385	240	2625
	CNT	30	30	29	30	29	29	30	30	29	29	27	29	29	28	28	29	29	29	30	30	30	30	29	30
	UQ	292	300	312	300	315	285	250	236	222	216	208	210	204	218	222	224	234	236	248	247	250	248	256	280
	LO	259	270	282	275	272	250	230	216	209	204	195	189	189	198	204	210	220	225	235	231	226	232	230	244
(M3000)F2	MED	285	275	2775	275	280	285	295	300	290	295	3075	300	310	305	315	320	320	325	325	320	310	305	305	285
	CNT	24	21	22	24	24	24	27	29	27	27	28	29	30	28	28	28	29	29	30	30	30	24	23	24
	UQ	290	280	285	280	290	305	310	315	310	315	320	315	315	320	325	325	330	340	330	325	315	310	315	300
	LO	270	270	270	270	270	270	270	275	270	275	280	280	290	295	305	305	310	320	320	315	300	300	290	280
foF1	MED						290	350	380	410	440	450	460	460	455	450									
	CNT						5	10	17	18	23	23	24	26	20	14	4								
foE	MED						1675	215	255	285	300	320	330	3275	320	310	290	270	2375	190					
	CNT						8	24	26	23	18	23	21	20	15	20	20	25	26	13	1				
h'E	MED						120	109	1055	104	101	101	101	101	101	101	103	105	E 1115	E 1185					
	CNT						15	28	30	29	27	29	29	29	29	29	28	28	28	20	3				
foEs	MED								255	29	33	34	35	34	34	31			24	21	17				
	CNT	30	30	30	30	30	29	30	30	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL. 1961

TABLE 10

GODHAVN. GREENLAND (69.3N. 53.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 335	U 33	U 315	U 295	U 285	U 30	U 35	U 42	U 48	U 505	U 56	U 60	U 58	U 59	U 575	U 595	U 57	U 56	U 50	U 50	U 48	U 45	U 37	U 395
	CNT	24	18	22	12	12	14	7	12	13	20	21	21	21	19	22	22	25	28	28	23	23	26	21	18
	UQ	41	40	37	34	36	36	42	46	50	54	58	66	65	66	65	64	64	60	60	59	60	55	50	44
	LO	29	30	28	28	24	27	31	34	39	41	51	57	54	56	53	53	51	52	47	44	37	35	33	31
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MED																								
	CNT																								
	UQ																								
	LO																								
(M3000)F2	MED	295	300				U 310		U 310	U 310	U 3175	U 305	U 290	U 300	U 310	U 305	U 300	305	300	310	300	300	300	U 295	U 295
	CNT	12	13	4	4	1	5		6	5	10	10	9	13	9	9	10	10	15	18	12	12	13	9	5
	UQ	300	300				330		320	320	330	315	300	305	320	320	330	315	310	315	305	310	300	310	300
	LO	285	290				290		275	295	280	295	285	280	290	300	285	295	295	305	295	285	285	290	290
foF1	MED								U 310		U 320		U 370	U 375			U 390								
	CNT								2		5	2	5	6	3	3	5	1	1	1					
foE	MED										2525	265	U 255	280	U 270	250	U 245	U 235	220						
	CNT					1			1	4	8	12	13	10	13	15	13	7	7		1				
h'E	MED									U 120	E 119	U 115	U 115	E 119	E 117	U 112	115	E 123	U 127						
	CNT					1		1	3	6	14	13	21	18	19	24	26	20	13	1	1				
foEs	MED							46																	
	CNT	27	27	28	25	26	25	24	25	25	28	26	26	28	28	29	29	30	30	29	27	29	29	29	29

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS.

MARCH. 1961

TABLE 11

ANCHORAGE. ALASKA (61.2N. 149.9W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 28	U 27	U 295	U 29	U 275	U 29	U 33	375	46	51	535	53	565	58	60	635	64	62	60	46	U 375	30	29	U 29
	CNT	11	13	12	15	12	13	15	22	27	25	26	29	28	28	28	30	30	30	30	29	28	23	18	13
	UQ	32	31	37	32	32	36	38	40	48	58	59	64	66	68	68	70	70	68	63	56	48	41	34	34
	LO	24	22	24	24	22	25	25	35	38	44	44	46	50	52	54	55	55	55	54	43	34	25	23	18
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LO																								
(M3000)F2	MED	U 265	U 2525	U 260	U 260	U 250	U 2575	U 2825	2925	295	285	285	280	290	290	295	300	310	305	310	300	U 300	295	U 2875	U 280
	CNT	11	12	12	15	12	12	12	20	25	24	25	29	27	28	27	30	29	29	27	28	28	22	18	12
	UQ	280	260	265	265	260	260	300	310	310	305	300	290	300	300	305	310	315	310	320	310	310	305	290	290
	LO	260	250	260	250	250	250	275	275	265	250	260	250	275	280	290	285	300	300	300	290	290	285	270	270
foF1	MED												U 390	U 395											
	CNT								3	4	375 6	380 10	13	10	4	1	1								
foE	MED								220	U 240	U 2425	290	280	285	290	275	260	250	225	190					
	CNT							4	7	12	14	9	16	14	13	16	12	7	7	5					
h'E	MED								U 129	U 121	125	124	127	125	125	125	E 131	125	U 126	U 137					
	CNT							4	7	13	19	12	19	18	17	18	15	10	8	7					
foEs	MEQ																								
	CNT	19	21	21	21	20	22	20	23	27	26	26	29	28	28	28	30	29	29	30	30	30	24	21	20

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MARCH. 1961

TABLE 12

BOULDER. COLORADO (40.0N. 105.3W)

TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	35	36	35	35	315	35	51	64	685	755	84	90	86	875	80	755	73	68	60	50	44	40	365
	CNT	27	22	23	23	21	22	25	29	30	30	30	30	29	29	28	27	28	29	29	29	29	29	27	26
	UQ	40	41	40	40	36	36	42	56	70	75	83	92	96	98	92	85	81	77	72	64	58	52	46	43
	LO	30	30	30	32	30	28	30	46	52	60	68	72	76	78	74	72	69	68	62	51	42	38	36	33
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LO																								
(M3000)F2	MED	290	290	285	290	295	2975	310	335	330	320	310	310	310	310	315	320	325	330	330	320	320	3125	3025	300
	CNT	21	18	18	17	19	16	20	29	30	30	28	30	29	29	27	25	27	29	29	29	29	28	24	22
	UQ	310	300	300	305	305	310	325	350	340	330	320	315	320	315	320	325	330	340	340	335	330	320	320	315
	LO	280	280	280	280	290	285	310	320	320	305	290	300	300	300	310	315	320	320	325	315	300	300	290	290
foF1	MEQ																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MEQ																								
	CNT																								
foEs	MED	29	29	30	30	30	30	30	205 28	27 30	32 30	31 28	30	29	29	27	25	27	23 29	18 29	29	29	29	28	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MARCH. 1961

TABLE 13

REYKJAVIK, ICELAND (64.1N, 21.8W)

TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 425	U 45	U 40	U 40	U 51	U 39	U 34	U 34	U 39	53	65	73	805	83	78	68	U 62	585	435	U 48	U 43	0 36	D 455	0 43
	CNT	2	2	3	3	2	3	5	4	6	13	16	19	20	19	17	15	14	10	10	7	3	3	2	4
	UQ			42	50		46	42	38	44	63	76	88	92	99	85	78	72	67	49	55	46	40		48
	LQ			38	38		38	31	29	30	45	58	62	67	71	61	60	58	49	35	43	42	36		40
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED										260	260	250	U 255	2575	U 250	250	250	250	285	U 260				U 345
	CNT	2	1	3	4	3	4	4	3	3	12	15	18	18	18	17	14	13	11	10	8	3	2	4	6
	UQ			360	365	315	325	315	290	300	310	280	270	280	270	295	250	260	270	300	295	300		425	350
	LQ			285	285	290	270	270	270	275	250	240	230	240	230	230	230	230	240	240	250	275		345	330
(M3000)F2	MED										320	320	330	320	320	325	320	U 320	U 3225	U 315	U 320				
	CNT		1	1	3	2	3	3	3	3	12	15	18	18	16	15	13	7	8	6	5	2			3
	UQ				295		325	320	310	320	330	335	335	325	330	335	340	330	330	320	330				310
	LQ				280		315	310	300	300	310	310	310	310	310	310	320	320	320	310	300				300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	U 31			U 35																31	36	375	50	31
	CNT	5	4	4	9	6	6	5	3	3	12	15	18	18	18	17	14	14	13	16	13	11	8	8	10

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS.

NOVEMBER, 1960

TABLE 14

POINT BARROW, ALASKA (71.3N, 156.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	U 495	47	479	U 50	U 51	U 485	50	E 50	51	515	50	54	55	58	60	59	59	565	57	55	53	50	515
	CNT	26	22	24	24	20	21	18	24	23	22	24	25	28	28	30	29	28	27	24	24	23	26	25	24
	UQ	55	58	56	55	56	57	55	59	55	57	57	56	56	58	60	61	61	62	62	62	59	58	57	56
	LQ	45	45	43	42	47	48	46	48	48	44	47	49	46	50	55	57	56	54	54	52	50	49	46	46
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	275	2825	275	275	260	U 260	235	2375	240	2225	235	225	2325	250	250	260	255	260	265	275	275	285	280	280
	CNT	23	16	21	21	13	18	14	22	22	22	24	24	28	26	30	29	28	26	21	22	22	23	22	21
	UQ	285	290	290	280	280	270	260	255	250	250	250	250	250	260	265	265	265	270	270	280	285	290	290	295
	LQ	260	270	260	255	260	250	230	225	210					230	240	250	250	250	250	255	265	270	270	270
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	65	60	38	465	395	29															34		40	38
	CNT	29	29	27	30	30	28	29	30	27	29	28	25	28	27	30	29	29	29	29	30	30	28	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 15

GODHAVN, GREENLAND (69.3N, 53.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 48	45	U 46	U 43	U 455	45	E 45	40	U 48	U 57	55	60	U 60	U 57	U 605	U 55	U 56	U 55	U 57	55	55	54	51	U 50
	CNT	20	25	19	21	20	17	17	16	11	5	15	13	15	19	16	19	22	23	24	25	21	25	23	25
	UQ	54	55	54	50	54	50	52	48	56	62	59	66	67	63	62	64	59	62	62	59	60	57	57	53
	LQ	40	38	40	37	40	38	38	40	40	50	50	58	56	55	55	52	54	51	55	50	52	50	45	47
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	280	290	U 290	265	2775	240	G 12	G 13	G	3	260	275	U 2675	265	U 265	275	2675	270	275	280	280	285	2875	U 280
	CNT	17	17	11	15	290	290	260		9		11	10	8	10	7	11	12	11	15	19	18	20	20	17
	UQ	300	300	300	285					270		270	295	275	270	290	285	280	285	280	285	285	290	300	290
	LQ	270	275	270	240							230	265	260	230	245	255		260	250	260	280	270	275	265
foF1	MED				U 310	U 350	365	390	400	U 430	U 450	460	U 460	U 475	470	U 480	U 470	U 460	U 450	U 435	U 400	U 380	U 360	U 310	
	CNT	2	4	4	10	14	18	19	18	18	13	19	17	20	20	18	24	17	21	20	13	7	5	5	1
foE	MED	195	200	200	210	U 235	250	280	300	310	U 320	340	U 350	U 340	U 340	U 3275	U 315	U 310	310	U 300					
	CNT	11	11	12	9	12	12	17	18	14	9	13	11	11	11	6	6	5	11	9	3	3	3	2	1
h'E	MED	U 145	147	U 133	U 127	115	109	105	101	105	101	101	101	103	101	101	101	101	101	U 109	E 110	E 127	E 137		
	CNT	13	11	13	14	16	20	21	21	20	14	21	16	17	19	19	22	21	19	17	10	10	7	3	
foEs	MED	27	27	25	26	26	26	24	22	20	16	23	22	20	25	23	38 27	35 25	41 27	31 27	34 28	35 28	28	28	28

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS.

JUNE, 1960

TABLE 16

FAIRBANKS, ALASKA (64.9N, 147.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 52	U 525	U 50	U 50	50	54	U 53	55	54	545	55	U 54	56	U 575	57	58	57	575	58	U 56	54	U 52	U 495	U 495
	CNT	17	14	11	11	14	16	20	19	23	24	22	22	22	20	22	23	24	22	22	22	20	19	18	18
	UQ	58	56	57	59	58	57	60	58	57	59	59	60	58	60	58	59	60	60	60	60	59	57	55	56
	LQ	45	45	45	46	49	51	49	52	51	52	51	51	54	55	56	55	56	56	55	51	46	47	46	47
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 275	U 270	U 270	U 2725	260	260	U 245	250	250	2475	250	250	250	260	260	255	2625	270	280	U 280	U 295	290	U 290	U 275
	CNT	14	13	10	10	13	15	15	18	21	22	21	19	19	16	21	23	22	21	20	21	20	19	18	17
	UQ	285	280	280	280	270	275	255	260	260	260	265	260	265	270	270	270	265	280	290	290	310	295	300	290
	LQ	265	260	260	250	250	245	235	230	230	230	235	230	240	245	250	245	255	260	260	260	280	280	270	260
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	40	505	50	465	43	445	45	43			36			35					25	40	335	40	37	42
	CNT	25	24	21	22	24	24	25	25	24	24	23	23	22	21	22	22	23	21	21	24	24	24	25	25

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 17

ANCHORAGE, ALASKA (61.2N, 149.9W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 41	U 43	U 45	U 49	U 50	U 52	55	555	56	555	56	55	55	58	56	58	58	57	58	58	58	555	U 52	U 435
	CNT	25	25	25	26	26	27	28	30	27	28	25	29	29	27	28	30	29	28	27	27	25	26	25	24
	UQ	58	55	56	52	53	58	60	62	65	63	64	59	58	59	60	60	60	60	61	61	62	60	59	58
	LQ	37	38	40	46	48	48	50	52	53	52	53	52	52	54	54	55	56	55	56	55	48	44	42	38
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 260	U 265	U 260	U 255	U 250	U 250	250	2425	245	245	2525	245	240	250	250	260	260	265	270	285	285	285	U 275	270
	CNT	25	25	25	25	26	27	27	28	25	27	24	27	27	27	27	28	29	28	27	25	24	26	25	23
	UQ	275	270	270	265	260	260	255	250	255	250	260	255	250	255	260	265	265	275	280	290	300	295	285	280
	LQ	250	250	250	250	245	240	245	230	235	235	240	220	220	240	240	245	250	250	265	280	280	270	260	255
foF1	MED					340	370	390	420	430	450	450	470	470	470	470	470	460	U 430	U 410					
	CNT				1	13	26	28	30	28	28	28	29	28	27	28	30	27	15	5	1	1			
foE	MED			180	U 190	220	250	280	300	U 315	325	335	U 340	U 350	U 350	3375	325	315	300	280	U 250	220			
	CNT		2	5	11	13	23	19	21	19	15	15	22	15	12	16	15	19	17	12	6	10	3		
h'E	MED			121	113	116	112	109	105	105	103	104	103	103	103	103	105	105	108	111	115	U 129			
	CNT	1	3	8	11	20	24	24	28	25	23	26	26	28	25	26	26	27	22	18	15	17	4	2	
foEs	MED	22	31	235	21	24		29	30	33	35	33	36	37	36					30	325	25	30	28	30
	CNT	30	29	28	27	27	28	29	29	28	27	28	29	28	28	29	29	29	29	28	26	27	29	28	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 18

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 47	U 475	U 43	U 42	U 51	50	48	50	55	55	56	59	60	61	61	605	U 615	U 575	555	54	U 53	U 50	U 455	U 48
	CNT	16	14	16	18	11	14	13	16	22	25	30	30	28	28	26	26	26	26	24	22	22	20	22	11
	UQ	52	48	48	48	52	52	58	60	60	62	61	65	65	64	66	66	65	66	64	64	60	53	55	53
	LQ	41	42	36	38	45	40	46	47	49	52	51	54	58	58	56	56	58	54	53	51	49	47	39	40
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 2625	U 265	U 270	U 275	U 280	2775	285	2825	275	2675	265	260	265	260	265	260	270	270	280	275	U 2825	280	U 280	U 270
	CNT	14	14	14	15	10	12	13	16	19	20	27	29	26	26	25	25	25	23	21	21	16	19	20	9
	UQ	270	270	280	290	290	300	305	300	285	285	285	270	275	270	280	275	280	280	300	290	300	285	290	280
	LQ	260	260	265	260	270	260	265	240	225	230	235	240	255	250	250	250	250	255	270	265	280	260	270	250
foF1	MED								U 435	460	470	480	490	490	490	490	480	475	U 450						
	CNT				1	1	4	1	10	20	20	25	28	25	27	24	24	18	13	2	1				
foE	MED					280	300	290	310	330	350	360	365	355	350	350	340	330	3075	U 300	310	U 275			
	CNT			2	1	8	5	5	13	16	18	21	22	17	20	19	15	15	12	11	11	6	4	2	1
h'E	MED			112	115	116	109	103	101	101	100	101	101	99	99	101	101	103	103	105	109	119	115	U 115	
	CNT		1	6	5	12	8	9	15	22	24	27	28	25	26	25	26	28	26	24	21	16	13	9	1
foEs	MED	435	45	36	35	35	37	40												35		37	45	335	45
	CNT	30	29	28	28	27	26	25	26	28	27	30	29	28	29	26	28	29	29	29	29	30	30	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 19

WHITE SANDS, NEW MEXICO (32.3N, 106.5W)

TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	61	60	57	52	51	49	58	66	70	76	84	80	88	85	89	865	82	81	815	805	77	70	63	625
	CNT	29	28	27	27	29	29	28	28	28	28	29	27	29	30	30	28	28	29	28	28	28	28	29	28
	UQ	66	65	63	60	56	55	64	77	86	92	96	98	98	97	96	96	92	90	90	90	83	75	70	68
	LQ	56	56	53	50	45	43	49	54	58	62	66	67	70	75	75	74	74	74	74	74	70	66	61	60
h'F2	MED							376	390	E 380	E 370	3825	374	385	377	372	359	349	320	2905					
	CNT					1	10	15		22	23	28	27	29	30	30	28	26	25	12					
	UQ						414	515		480	435	448	435	474	425	400	386	364	358	320					
	LQ						321	325		339	345	356	361	366	355	350	335	330	304	284					
h'F	MED	295	290	290	290	291	282	250	230	220	210	201	U 213	2075	2135	207	219	230	U 235	245	260	250	U 265	279	U 300
	CNT	29	29	27	28	29	29	27	27	25	25	26	24	24	28	27	26	27	27	25	28	28	28	30	28
	UQ	318	306	302	313	328	314	255	240	235	218	210	245	228	238	230	240	240	240	252	275	260	283	307	315
	LQ	283	277	270	278	268	268	240	220	210	200	191	198	200	198	200	210	220	228	240	250	238	248	265	280
(M3000)F2	MED	270	270	270	270	2725	280	2825	2775	265	265	2575	265	260	260	265	270	2725	280	290	295	290	280	270	2675
	CNT	29	28	27	25	28	29	28	28	27	28	28	27	29	29	30	28	28	29	28	28	28	27	29	28
	UQ	280	280	280	280	285	290	300	290	290	270	270	270	270	270	275	275	280	290	290	300	295	285	275	275
	LQ	260	265	260	260	260	265	270	250	250	255	250	255	250	255	260	260	265	270	280	285	280	270	260	255
foF1	MED							U 380	430	460	495	530	530	540	530	520	500	470							
	CNT							5	11	12	16	23	21	17	23	23	22	12	1						
foE	MED								U 300	U 340	U 360	U 380	U 3925	U 400	U 395	385	U 370	350	310						
	CNT						1	4	12	10	9	6	6	7	8	10	10	16	11	4	1				
h'E	MED							112	108	104	103	103	1025	104	102	104	103	104	105	110					
	CNT					2	26	27		28	28	27	26	28	25	28	27	27	26	20	1				
foEs	MED	31	28	35	25	30	23	30	36	415	45	45	48	47	44	41	40	38	38	35	37	29	33	315	38
	CNT	29	27	26	27	27	29	28	28	28	29	29	27	30	29	30	28	28	29	29	28	28	27	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 20

GRAND BAHAMA I. (26.6N, 78.2W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	75	75	70	65	59	57	60	65	70	735	76	785	77	78	77	80	80	85	82	84	815	785	76	75
	CNT	29	29	28	28	28	29	29	27	27	28	27	26	28	29	28	27	28	27	28	29	28	28	28	29
	UQ	83	80	76	68	65	65	70	80	85	84	90	95	96	102	99	104	96	95	90	94	90	86	84	82
	LQ	70	70	64	58	50	47	56	57	62	67	64	65	70	70	68	71	68	70	72	74	74	72	71	72
h'F2	MED								430	380	380	380	399	3675	3775	3825	385	3485	340	310					
	CNT							1	11	15	22	22	24	28	28	28	26	28	21	11					
	UQ								500	457	410	470	458	442	438	442	422	404	379	340					
	LQ								373	320	350	330	366	350	335	345	340	318	309	295					
h'F	MED	280	272	260	U 260	E 280	270	E 250	U 230	230	220	U 210	210	U 220	215	U 220	220	U 230	E 240	U 250	260	250	2725	280	300
	CNT	29	29	28	28	28	29	28	27	27	27	23	24	27	27	26	26	25	25	24	29	28	28	29	29
	UQ	305	290	270	280	300	302	260	250	250	230	230	223	230	220	235	230	250	250	275	270	277	300	290	310
	LQ	270	260	250	255	260	255	238	220	210	200	200	195	210	205	210	212	220	230	240	250	245	250	265	280
(M3000)F2	MED	270	275	280	280	275	275	290	280	270	2725	270	265	265	270	265	265	270	2725	275	280	275	270	270	265
	CNT	26	29	28	28	28	29	28	27	27	28	27	26	27	29	28	27	28	26	27	27	25	26	28	29
	UQ	280	285	290	290	280	285	300	310	290	285	280	270	270	275	270	275	280	285	285	285	280	275	275	270
	LQ	265	265	270	270	260	260	275	265	250	260	260	250	260	260	255	260	260	265	270	275	270	265	265	260
foF1	MED								430	450	500	505	520	520	520	520	510	480	450						
	CNT							1	9	12	19	18	19	27	27	27	20	18	8						
foE	MED							U 220	290	325	355	380	400	400	400	395	370	350	305						
	CNT						2	8	9	9	10	11	8	14	19	19	19	13	17	4					
h'E	MED						125	115	110	105	105	105	105	105	105	106	105	108	109	110					
	CNT						6	19	26	25	27	26	24	25	29	28	27	25	25	23					
foEs	MED	29	31	31	305	255	26	30	35	42	45	51	495	435	45	45	43	445	38	435	41	36	305	31	30
	CNT	29	28	25	24	28	29	29	27	27	28	27	26	28	29	28	28	28	27	28	29	27	28	29	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 21

MAUI, HAWAII (20.8N, 156.5W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	795	785	745	71	68	62	635	69	78	87	92	100	1105	1155	111	112	114	1145	1085	1005	925	90	86	83
	CNT	30	30	30	29	27	27	30	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	UQ	92	91	87	80	78	69	72	80	90	92	99	105	115	119	120	121	125	123	116	110	101	98	95	95
	LQ	70	68	68	60	56	54	56	65	72	80	84	94	101	106	105	106	109	101	99	90	86	80	73	74
h'F2	MED							U	U																
	CNT							480	3825	500	475	4375	410	385	365	355	3575	335	315	285					
	UQ							7	8	11	19	22	25	28	30	28	30	28	27	19					
	LQ							540	520	595	550	515	475	430	395	360	380	345	330	295					
								425	310	310	380	390	380	370	355	340	345	320	295	275					
h'F	MED			U	U	U	U															E			
	CNT	295	280	270	275	285	315	270	240	220	210	2125	210	2125	210	215	215	225	235	250	270	280	290	305	310
	UQ	30	29	29	30	29	30	30	28	22	23	24	25	24	24	26	25	21	19	20	29	29	30	29	29
	LQ	325	310	290	310	320	335	285	255	230	220	225	220	225	215	225	225	230	245	260	280	295	305	315	330
		280	270	250	255	260	280	260	230	215	205	200	190	205	205	205	210	220	235	240	260	265	280	290	290
(M3000)F2	MED	280	285	290	280	275	265	2725	280	2575	235	2375	245	260	2675	265	270	280	285	290	2875	2825	270	270	270
	CNT	28	28	28	28	27	25	30	28	26	28	28	30	30	30	30	30	30	30	30	30	30	29	29	30
	UQ	290	300	300	300	290	280	285	290	270	250	250	255	265	275	275	280	290	300	300	300	295	275	275	275
	LQ	260	270	280	270	265	255	250	265	230	230	220	230	250	260	260	265	275	280	280	275	270	265	265	265
foF1	MED								U											U					
	CNT							360	450	525	540	540	560	560	550	540	530	510	470						
								5	7	8	18	21	20	26	27	26	26	17	7						
foE	MED								U	U															
	CNT							2	2725	320	360	370	400	405	400	400	380	350	315	250					
									16	15	14	11	12	10	15	21	20	24	19	5					
h'E	MED								E																
	CNT							1	113	107	107	107	107	107	107	107	109	107	109	115					
									28	30	30	26	25	23	25	27	28	27	27	21	1				
foEs	MED	23	255	22		185			39	555	545	545	495	49	47	44	48	43	50	45	35	335	345	265	22
	CNT	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 22

BAGUIO, P. I. (16.4N, 120.6E)

TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		U									D	Q	U	O	D	Q	Q	Q	D	D	O	U	D	U
	CNT	93	96	84	67	58	505	72	84	91	975	1005	100	108	110	110	110	110	105	100	100	100	98	95	94
	UQ	27	29	29	29	30	30	30	30	30	30	30	30	29	28	30	30	30	29	28	30	27	30	28	24
	LQ	106	106	88	76	64	56	78	91	96	101	106	106	110	112	114	118	112	115	109	102	100	100	98	101
		90	84	73	62	48	45	66	81	86	94	98	100	103	107	102	108	105	100	97	96	95	95	92	90
h'F2	MED													U	E			E							
	CNT								1		1	3	4	425	4075	415	420	340							
	UQ													6	10	10	11	5	3	1					
	LQ													495	440	450	440	365							
														415	400	405	400	330							
h'F	MED	305	2725	2575	2625	270	2775	270	255	E	U	U	E	U	E	E	E	E	E	U		E			
	CNT	30	30	30	30	30	30	30	30	245	235	235	245	240	250	2475	2475	260	2675	285	330	3575	3725	3625	345
	UQ	330	285	290	290	295	325	275	260	30	29	28	29	27	25	26	26	28	26	27	30	28	30	30	30
	LQ	280	260	240	240	240	255	270	250	270	250	280	290	280	300	260	260	270	300	300	340	390	395	395	370
										235	230	220	230	230	230	235	235	245	260	280	310	340	350	345	310
(M3000)F2	MED	U	U					U	U	U	U			U	U	U	U	U	U	U	U				
	CNT	285	2925	2925	285	280	280	2975	2925	260	230	230	220	225	225	2275	230	250	260	275	250	U	U	U	U
	UQ	16	26	28	29	29	30	30	30	29	28	24	18	23	17	18	16	11	6	5	7	240	240	245	260
	LQ	300	310	310	305	300	300	310	305	270	240	240	235	235	240	255	240	255	270	280	270	8	19	20	17
		265	280	275	280	270	260	290	280	250	225	215	215	215	210	215	225	230	255	250	240	240	255	260	270
foF1	MED												3	3	4	4	1	1				230	235	240	250
	CNT																								
foE	MED								U	U								U							
	CNT								290	340								330							
								4	7	10	3	1			2	1	2	8	4						
h'E	MED							E	U									E							
	CNT							134	125	121	121	119				121	123	126	123						
								16	19	25	22	9	4	3	4	6	10	12	7	3					
foEs	MED								29	345	42	44	445			O	Q					50			
	CNT	30	30	30	30	30	30	30	30	30	30	30	30	50	29	41	44	42	47	43	36	30	29	25	
														30	29	30	30	30	29	29	29	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

JUNE, 1960

TABLE 23

BYRD STATION (80.0S, 120.0W)

TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	Q	U	U
	CNT	51	535	58	555	46	33	32	35	235	27	23	26	235	25	345	36	40	395	51	41	505	525	575	60
	UQ	7	6	8	10	12	9	5	5	2	2	4	5	4	6	6	13	5	4	7	11	10	10	8	4
	LQ	56	58	62	60	54	42	38	48			24	44	27	36	39	44	59	48	57	51	58	67	65	68
		37	50	51	48	38	27	30	26			22	25	22	24	23	25	28	36	40	40	49	42	47	53
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E	E	E		E	U	E	E				E	E	E	E	E	E	E	U	E	E	U	E	U
	CNT	3375	345	330	295	310	295	290	275				305	300	355	340	3575	3125	3175	260	3375	345	300	310	325
	UQ	14	11	12	14	11	11	6	5	2	3	4	6	5	8	9	14	10	12	9	16	20	19	17	13
	LQ	365	350	345	330	365	345	300	295				320	355	385	380	425	340	370	350	375	380	350	360	400
		305	325	315	265	260	240	260	220				290	280	290	300	340	270	290	250	290	280	280	270	270
(M3000)F2	MED			U	U	U	U					U		U		U					U	U	U	U	
	CNT	4	4	270	270	290	300	2	4	2	1	3	295	3	280	4	2575	3	4	4	2725	2725	2625	280	2
	UQ			280	290	295	310						310		285		270				280	280	275	280	
	LQ			270	265	280	275						275		270		250				260	270	255	260	
foF1	MED																								
	CNT																								
foE	MED																								
	CNT					1																			1
h'E	MED																								
	CNT					1																			1
foEs	MED	35	34	38	39	255		U																	
	CNT	17	17	18	19	18	15	16	6	3	4	4	9	11	24	25	25	32	34	57	44	25	285	38	
								7							17	19	25	25	27	22	26	21	24	23	20

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 24

BYRD STATION (80.0S, 120.0W)

TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
foF2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	57	53	50	48	375	35	30	27	23	31	36	31	34	295	33	30	33	37	48	53	49	46	47	50	
	UQ	6	7	7	9	10	7	8	5	4	9	15	21	17	12	9	11	11	10	8	8	7	9	8	8	
	LQ	58	62	58	57	47	46	34	35	26	42	43	43	42	38	38	34	45	40	50	56	56	56	50	61	
		55	37	48	38	30	25	25	20	22	22	24	25	27	26	24	24	27	34	36	46	37	39	37	44	
h'F2	MED																									
	CNT																									
	UQ																									
	LQ																									
h'F	MED	3075	340	335	U 340	E 300	E 3025	E 290	U 280		U 280	E 285	E 290			E 330	U 375		U 350	U 3275	U 3225	U 345	U 345	U 340	U 355	
	CNT	16	13	13	12	14	10	9	7	4	9	16	22	2875	2825	16	13	15	16	14	18	19	17	17	16	17
	UQ	330	360	365	385	330	310	315	310		330	320	320	310	310	375	430	375	380	395	380	390	370	370	405	
	LQ	300	310	300	285	270	280	270	250		245	240	260	250	270	280	320	330	290	290	325	290	310	315	340	
(M3000)F2	MED	4	U 270	U 270	U 275	U 280	U 3025				U 295	U 3075	U 300	U 295	U 295	U 280	U 265	U 260	U 280	U 270	U 285	U 2675	U 270			
	CNT		6	7	7	10	3	8	4	4	8	12	17	17	11	9	9	8	8	5	6	6	7	4	3	
	UQ		275	280	280	290		320			315	325	310	310	300	285	280	270	290	310	295	280	270			
	LQ		265	265	260	270		290			280	280	285	275	260	255	250	250	270	240	255	265	250			
foF1	MED																									
	CNT																									
foE	MED																									
	CNT																	2	2	1						
h'E	MED																									
	CNT																	2	3	1						
foEs	MED	26	36	34	38	23	25																			
	CNT	22	22	22	19	18	13	15	8	6	11	17	25	24	23	16	215	245	29	37	40	355	305	265	265	
																	22	26	26	29	27	24	24	22	26	

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1960

TABLE 25

POLE STATION (90.0S)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 455	U 50	U 46	U 485	U 55	U 525	U 51	48	U 465	U 485	U 455	49	U 45	U 445	47	435	U 44	U 355	U 345	U 41	U 405	U 45	U 43	U 45
	CNT	10	13	16	18	11	14	11	12	10	12	8	7	12	12	8	10	9	10	8	8	8	7	10	8
	UQ	48	54	55	61	60	58	64	60	49	56	48	50	49	48	50	60	68	49	40	46	44	54	49	49
	LQ	40	38	32	43	45	47	46	40	37	39	45	42	42	39	35	37	30	25	27	34	36	29	35	42
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	245	260	270	270	265	2525	275	300	275	280	2775	280	275	270	275	295	285	270	280	280	275	255	U 255	240
	CNT	24	26	27	28	26	28	24	20	19	17	14	15	18	17	14	15	14	23	20	15	19	19	21	26
	UQ	275	285	295	295	270	290	310	330	290	310	310	295	300	310	300	350	315	320	300	300	325	285	290	280
	LQ	230	235	245	235	250	235	230	255	240	240	245	245	265	255	240	260	250	255	250	240	215	225	230	230
(M3000)F2	MED	U 280	U 270	U 270	U 2675	U 275	U 280	U 240	U 260		U 275	U 285		U 285	U 300	U 320	U 280	U 300	U 310	U 290	U 290	U 290		U 290	U 285
	CNT	9	9	11	14	6	8	6	7	4	8	5	4	8	8	5	8	6	5	5	8	6	4	5	5
	UQ	285	290	280	280	280	300	260	270		290	290		310	310	340	300	310	315	310	310	300		310	300
	LQ	275	260	260	260	265	270	240	255		260	270		270	290	265	265	290	270	250	285	280		270	260
foF1	MED																								
	CNT																								
foE	MED									U 195										U 2025	U 205		U 2025	U 165	
	CNT					1			1	5	3	4	4	4	2	4	4	3	4	6	10	4	6	6	1
h'E	MED									115		111	113				108		129	118	119		123	124	
	CNT	1				1			1	5	3	5	5	4	2	4	6	3	5	6	10	4	5	8	1
foEs	MED	205	18	20	18	175	185	195		205	245	30	36	29	35	23	21	20	22	22	26	30	305	28	26
	CNT	28	27	29	29	28	28	30	28	28	28	28	26	24	25	21	24	25	29	29	31	30	28	28	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1960

TABLE 26

REYKJAVIK, ICELAND 164.1N, 21.8W)

TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 485	U 505	U 39	U 42	U 425	U 465	51	555	59	59	585	625	64	655	65	65	655	615	59	57	525	53	U 56	O 595
	CNT	8	4	8	7	6	6	10	10	13	17	20	22	22	24	24	23	24	24	24	23	20	12	11	6
	UQ	62	68	54	57	57	53	52	60	66	70	65	70	70	74	73	73	72	70	68	68	66	70	73	75
	LQ	41	35	38	38	36	39	47	52	52	52	52	54	56	58	60	58	55	52	53	53	48	48	48	50
h'F2	MED										E								U						
	CNT								2	2	3	400	420	400	400	405	380	370	370						
	UQ											6	11	13	15	19	16	11	7	3	1				
	LQ											440	500	465	465	460	440	440	400						
												350	370	380	400	380	390	360	330	300					
h'F	MED	U 390	U 370	E 395	U 350	U 300	E 300	U 270	U 245	U 245	E 235	E 2375	230	230	220	230	240	245	U 250	275	U 290	300	305	U 345	E 380
	CNT	9	5	6	5	5	6	9	8	10	14	16	19	20	20	23	22	20	18	21	22	17	14	14	8
	UQ	410	410	410	405	345	320	300	255	260	250	250	240	235	250	240	250	265	270	305	340	380	340	370	390
	LQ	300	280	340	290	275	270	260	240	230	230	220	220	220	220	220	230	240	240	250	260	270	270	300	315
(M3000)F2	MED	U 265			U 265		U 290	300	2925	295	290	2675	265	270	2675	2725	275	280	285	300	290	300	2825	270	U 280
	CNT	6	3	3	5	3	6	10	10	13	15	18	19	21	24	24	22	22	21	24	21	16	12	10	5
	UQ	270			280		295	305	300	310	300	285	290	285	275	280	280	290	300	305	300	300	280	285	
	LQ	265			255		285	290	290	290	280	260	255	260	260	265	260	270	270	290	280	270	270	265	260
foF1	MED																								
	CNT							1			4	445	460	460	465	460	450								
												8	12	13	14	13	13	4	2						
foE	MED																	U 2975	U 275		310				
	CNT								1	2	310	320	325	330	330	330	310	14	9	4	6	3			
											5	7	10	12	14	12	15								
h'E	MED																								
	CNT								2	2	115	111	115	113	111	111	111	111	111	115					
											5	7	11	12	14	13	14	15	8	5	4	3			
foEs	MED	36	U 28	35	35																				
	CNT	18	9	13	12	7	7	11	10	13	15	18	21	22	24	24	22	23	22	24	24	18	17	19	17

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS.

APRIL, 1960

TABLE 27

POLE STATION (90.0S)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 515	U 52	U 50	U 49	U 48	U 53	U 49	U 50	U 50	U 50	U 45	U 43	U 39	U 41	U 46	U 46	U 47	U 47	U 38	U 39	U 44	U 37	U 37	U 38
	CNT	14	15	19	19	15	19	16	13	15	13	17	14	11	15	16	19	13	15	10	13	13	21	19	15
	UQ	70	67	62	66	62	58	59	68	60	60	52	52	48	49	49	55	55	55	53	47	49	42	45	49
	LQ	44	2	46	44	45	49	46	38	43	40	38	39	35	38	40	39	35	35	34	32	34	29	32	33
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	260	2875	280	2825	280	300	300	2875	300	3275	345	305	U 350	330	305	E 300	295	310	2775	290	U 285	2575	E 2675
	CNT	21	24	24	25	26	21	23	17	18	15	18	11	10	17	17	21	17	18	15	16	16	23	18	20
	UQ	300	280	330	350	340	320	370	340	325	345	375	355	340	420	380	360	330	350	355	335	330	300	300	340
	LQ		250	245	250	260	260	265	270	260	265	300	270	285	290	255	260	250	265	255	245	250	250	225	230
(M3000)F2	MED	U 265	U 270	U 255	U 260	U 255	U 255	U 250	U 240	U 255	U 265	U 260	U 270	U 270	U 270	U 280	U 275	U 2725	U 2725	U 265	U 275	U 270	U 285	U 270	U 270
	CNT	12	13	17	17	14	17	15	11	13	12	16	10	11	13	14	19	12	14	10	13	10	19	18	15
	UQ	280	285	270	270	265	270	260	270	270	275	270	275	285	280	285	300	300	295	290	290	290	300	300	290
	LQ	260	260	245	230	250	250	230	255	240	260	250	265	250	260	260	260	250	245	260	250	240	260	255	255
foF1	MED																								
	CNT																								
foE	MED											U 205		255	U 245	U 230	U 2125								
	CNT							1	1	3	2	5	3	9	6	5	6	1	1	2	2	1	2		1
h'E	MED									115	117	113	117	113	112	115	U 111			115					
	CNT							1	3	5	6	9	7	13	8	7	8	4	4	5	2	2	2		1
foEs	MED	235	33	125	159	205				24	23	265	295		27				21	215	24	305	23	25	19
	CNT	28	27	28	28	26	26	26	25	24	23	26	22	22	22	21	25	26	25	28	27	28	28	27	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1960

TABLE 28

REYKJAVIK, ICELAND 164.1N, 21.8W)

TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 49	U 45	U 46	44	385	38	415	49	555	61	69	72	78	795	81	78	69	65	64	555	59	56	D 51	U 45
	CNT	3	9	11	13	16	17	20	23	24	25	27	27	27	28	27	29	29	27	27	24	19	14	10	7
	UQ	50	56	52	48	44	44	46	50	60	67	73	83	85	92	92	88	82	80	78	79	70	61	53	48
	LQ	47	38	38	42	36	35	38	43	50	56	59	64	69	69	70	70	60	57	52	52	47	47	45	43
h'F2	MED													U 355	U 350	U 340	U 340	U 360							
	CNT										2	345	345	6	5	7	7	5	2	1					
	UQ											6	10	410	395	360	370	470							
	LQ											325	320	400	395	330	285	345							
h'F	MED	U 400	U 410	E 375	350	350	U 330	305	270	250	250	U 250	230	2325	235	230	2425	E 255	2675	270	310	300	325	E 345	350
	CNT	9	9	10	13	14	16	20	20	20	22	25	27	26	27	25	26	26	26	25	27	21	16	12	10
	UQ	415	440	410	365	400	365	340	285	260	270	295	250	260	250	250	260	280	300	325	340	385	375	395	400
	LQ	325	355	360	340	330	310	285	250	250	235	230	230	220	220	230	240	240	250	240	255	260	285	330	320
(M3000)F2	MED	3	U 2625	U 2625	U 270	U 270	270	290	305	310	3075	300	300	290	290	295	2925	300	305	305	3025	290	280	U 275	
	CNT		6	10	8	9	14	19	19	20	22	27	27	27	27	26	28	26	25	22	22	14	10	4	5
	UQ		265	270	280	270	280	295	320	320	320	310	310	305	300	300	305	310	310	310	310	305	295		280
	LQ		260	260	270	260	270	280	290	300	290	285	290	280	280	290	285	285	300	300	280	280	275		270
foF1	MED																								
	CNT										1	3	425 6	3	4	4	2	1							
foE	MED										O				U				U	U					
	CNT								2	3	11	9	12	14	14	11	15	10	5	5			1		
h'E	MED																		E						
	CNT							1	2	3	10	10	12	14	14	10	16	14	6	7	1		1		
foEs	MED	35	36	36	32																30	30	34	38	39
	CNT	19	17	22	21	20	20	22	20	20	23	27	27	27	28	27	29	29	28	27	27	25	22	21	19

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS.

MARCH, 1960

TABLE 29

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 42	U 475	U 44	U 43	U 38	U 37	U 43	52	61	645	69	76	82	85	82	805	73	67	U 60	U 54	U 52	U 52	U 50	U 46
	CNT	12	8	9	9	8	12	19	24	26	30	29	29	29	29	27	24	27	21	26	21	20	15	11	7
	UD	50	51	48	44	44	40	48	56	65	72	79	86	90	91	90	92	90	90	80	62	56	56	58	50
	LD	35	42	35	38	34	34	38	50	55	58	62	70	72	75	74	72	59	57	57	50	45	45	38	36
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED																								
	CNT																								
	UD																								
	LQ																								
(M3000)F2	MED	U 270	U 270	U 270		U 265	U 2725	U 290	310	310	305	2875	290	285	285	290	295	290	295	290	U 275	265	U 265	U 270	U 265
	CNT	7	5	5	14	6	10	19	23	25	30	28	29	29	29	26	24	27	21	22	19	15	10	8	5
	UQ	290	310	280		280	280	310	320	320	310	300	305	295	295	295	300	300	310	300	295	270	280	285	270
	LQ	255	265	255		260	260	285	300	300	290	275	275	270	270	270	290	270	290	285	270	260	260	260	240
foF1	MED																								
	CNT											4	1		2	2	2	1							
foE	MED									250	295	300	300	310	300	300	290	270	230	U 255					
	CNT							2	4	7	14	18	15	15	21	17	19	17	13	6	1				
h'E	MED								118	115	115	111	113	109	107	109	109	113	116	E 125					
	CNT							4	6	12	17	21	20	21	23	25	25	21	16	13	2				
foEs	MED	35	33	35	35	395	375	32												28	35	38	47	55	48
	CNT	29	31	29	30	28	26	21	25	27	30	28	29	29	29	28	29	31	29	30	29	29	26	29	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MARCH, 1960

TABLE 30

LYCKSELE, SWEDEN (64.7N, 18.8E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 43	42	43	42	43	41	36	36	49	68	86	92	101	97	92	86	70	66	46	43	40	42	U 39	U 41
	CNT	24	25	24	23	22	25	24	24	28	28	26	28	30	29	29	26	28	21	24	18	17	18	20	22
	UD																								
	LQ																								
h'F2	MED											1		1	1										
	CNT																								
	UQ																								
	LQ																								
h'F	MED	340	325	310	300	290	280	265	260	250	245	240	235	235	230	230	225	225	235	250	285	275	315	335	335
	CNT	25	25	25	24	24	27	24	25	29	27	26	28	29	29	28	27	28	24	25	21	20	20	20	23
	UQ																								
	LQ																								
(M3000)F2	MED	U 250	240	250	250	260	260	260	260	280	300	300	300	300	300	300	300	280	290	280	270	260	250	250	240
	CNT	21	22	21	17	19	22	22	21	28	27	26	28	29	26	28	25	25	20	22	26	13	16	15	15
	UQ																								
	LQ																								
foF1	MED																								
	CNT											1		1	1										
foE	MED							E	90	155	190	210	220	225	215	190	150	120	65						
	CNT		1	1	2	1	3	5	11	17	17	22	22	24	21	19	14	9	5	3	2		1	2	1
h'E	MED							E		130	110	105		105	115			4	3		2			1	1
	CNT							5	4	11	9	9	4	6	7	4	3								
foEs	MED																								
	CNT																								

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES.

NOVEMBER, 1959

TABLE 31

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	37	34	31	29	28	29	38	67	86	105	118	118	117	117	115	101	87	71	58	46	38	37	38
	CNT	27	27	28	28	29	29	26	26	27	28	29	28	28	28	28	27	28	27	28	29	29	27	27	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED	330	310	305	300	300	300	300	290	255	240	235	240	230	240	240	235	230	225	230	240	250	295	305	320
	CNT	30	28	28	29	30	30	30	27	30	30	28	30	29	29	28	28	29	28	29	27	29	25	27	29
	UD																								
	LD																								
(M3000)F2	MED	260	255	250	260	260	260	270	285	305	310	305	305	305	300	300	300	305	305	300	300	290	270	265	260
	CNT	24	24	25	26	27	25	23	25	28	29	30	29	28	28	28	27	28	27	28	28	28	27	26	24
	UD																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED		E	E	E					200	240	270	280	285	275	260	230	U 195							
	CNT		7	13	15	3	1	1	2	15	15	15	11	14	17	17	19	15							
h'E	MED																								
	CNT																								
foEs	MED		10	10	11	13	16		22	G	G	G	30	G	G	G	G	20	21	19	21				
	CNT	2	11	22	23	17	8	4	8	17	15	18	17	17	16	16	18	13	10	7	7	4	4	2	3

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS.

NOVEMBER, 1959

TABLE 32

OTTAWA, CANADA (45.4N, 75.9W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	41	40	40	40	34	33	48	71	90	99	106	112	118	119	118	110	101	90	78	70	58	54	49
	CNT	28	28	25	27	27	27	29	30	30	30	30	29	29	30	29	28	29	30	28	29	28	30	30	28
	UO																								
	LQ																								
h'F2	MED											2	4	3	1	1	1								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	295	290	285	290	295	280	300	270	240	235	240	230	230	235	240	240	235	220	225	240	245	260	280	280
	CNT	28	29	25	27	28	27	26	28	28	28	28	27	29	30	29	29	30	30	29	27	29	29	29	28
	UD																								
	LO																								
(M3000)F2	MED	U 300	U 290	U 290	U 290				310	320	310	320	300	300	300	310	300				320	U 310	U 300		U 290
	CNT	5	7	6	6	3	3	4	13	14	17	16	14	13	14	11	9	4	1	4	14	7	8	11	5
	UD																								
	LO																								
foF1	MED											1	4	3	1	1									
	CNT																								
foE	MED								3	230	280	300	310	320	310	300	270	200							
	CNT									21	23	22	24	27	25	24	24	24							
h'E	MED								3	125	110	110	110	110	115	110	115	U 135							
	CNT									11	21	18	22	27	23	22	23	7							
foEs	MED		U 33							23	28	30	31	32	31	30	27	20						U 30	U 50
	CNT	3	5	4	4	3	2		3	23	25	23	22	27	25	23	24	25	1	1	3	1	4	6	5

SWEEP 1.0 MC TO 20.0 MC IN 16 SECONDS.

NOVEMBER, 1959

TABLE 33

FORMOSA, CHINA (25.0N, 121.5E)

TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	102	86	81	66	48	36	57	106	123	140	154	157	160	164	171	172	168	174	D 175	175	173	161	132	115
	CNT	28	28	28	27	27	28	29	26	29	29	28	27	27	28	27	24	24	28	28	27	27	29	29	28
	UQ	114	100	88	74	55	48	65	112	139	150	160	165	174	178	180	178	179	179	184	180	185	178	150	128
	LQ	83	74	70	56	40	32	48	99	120	136	151	152	146	151	160	159	166	155	155	151	159	141	118	99
h' F2	MED													U 310											
	CNT													3											
	UQ																								
	LQ																								
h' F	MED	250	260	240	230	230	280	290	240	230	240	240	E 240	230	230	240	240	240	250	240	240	240	220	240	240
	CNT	30	30	29	29	29	27	30	30	30	29	29	30	26	26	26	29	28	28	30	30	30	29	29	30
	UQ																								
	LQ																								
(M3000) F2	MED	285	295	300	310	300	260	275	315	315	300	295	290	280	285	285	285	290	290	295	290	295	290	290	295
	CNT	27	25	26	24	27	28	29	24	28	29	27	26	22	25	24	21	20	27	27	21	22	27	28	27
	UQ	305	310	320	320	325	290	285	325	325	310	305	290	295	290	290	295	290	295	300	295	300	310	300	305
	LQ	270	270	290	300	280	250	270	310	310	290	290	280	275	280	275	275	280	285	290	280	290	290	285	280
fo F1	MED																								
	CNT																								
fo E	MED															U 370		280							
	CNT															1		1							
h' E	MED																								
	CNT																								
fo Es	MED	E 19	E 18	E 18	E 18	E 17	E 17	E 17		E 34	E 38	E 43	E 44	46	E 42	40	38	E 38	E 27	E 24	E 24	E 22	E 22	E 22	E 22
	CNT	13	14	18	24	26	25	26	26	20	22	28	28	25	22	23	27	28	27	28	29	20	20	22	22

SWEEP 1.1 MC TO 19.5 MC IN 15 MINUTES. MANUAL OPERATION.

NOVEMBER, 1959

TABLE 34

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	48	47	45	43	38	36	39	58	76	87	102	109	114	115	113	110	107	100	89	76	69	58	53	51
	CNT	28	29	30	28	30	30	31	30	30	30	30	31	31	31	31	31	31	30	31	30	30	31	30	27
	UQ																								
	LQ																								
h' F2	MED																								
	CNT								1	1	3	3	3	1											
	UQ																								
	LQ																								
h' F	MED	305	305	310	310	295	290	280	260	250	245	240	240	240	240	245	245	245	240	245	240	250	260	285	310
	CNT	29	30	31	30	31	31	31	31	31	30	31	31	31	31	31	31	31	30	31	30	30	30	31	30
	UQ																								
	LQ																								
(M3000) F2	MED	250	245	250	250	260	270	280	310	310	305	300	290	290	290	290	295	300	300	300	300	290	285	265	250
	CNT	27	27	29	27	29	29	30	30	30	29	28	30	31	31	31	31	31	30	30	28	30	30	30	25
	UQ																								
	LQ																								
fo F1	MED																								
	CNT								1	2	3	3	2	1											
fo E	MED			E	E			U																	
	CNT			8	8	3	2	150 7	200 20	250 25	290 27	315 25	325 18	325 19	315 19	300 20	280 18	250 22	205 14						
h' E	MED																								
	CNT																								
fo Es	MED	U							G	G					G							U			
	CNT	19 6	17 14	10 28	10 27	15 15	14 18	18 21	22	27	31 26	32 29	35 27	35 25	26	31 24	29 29	22 31	22 25	20 18	19 12	20 8	4	4	4

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS.

OCTOBER, 1959

TABLE 35

FORMOSA, CHINA (25.0N, 121.5E)

TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	122	102	92	75	52	43	64	108	108	126	140	150	154	168	178	180	178	177	176	178	U 175	170	148	132
	CNT	22	21	20	25	28	28	28	27	28	29	30	31	28	27	28	28	28	27	28	29	23	24	22	21
	UQ	131	114	105	90	60	56	76	118	132	136	149	157	164	175	183	185	182	182	185	185	185	185	175	143
	LQ	103	89	84	68	46	38	61	100	104	123	137	143	149	159	174	174	174	170	168	164	156	147	120	112
h' F2	MED															U 310									
	CNT															3									
	UQ																								
	LQ																								
h' F	MED	260	240	220	220	230	260	260	240	240	240	240	240	230	240	E 240	240	240	250	250	250	240	240	240	250
	CNT	29	29	29	29	29	29	29	28	28	30	30	29	24	31	26	29	30	30	28	31	30	30	30	30
	UQ																								
	LQ																								
(M3000) F2	MED	285	300	305	310	300	280	300	320	325	300	290	285	275	280	280	285	285	285	290	290	U 285	290	290	285
	CNT	21	16	15	21	28	28	28	26	28	29	29	31	27	27	27	26	27	23	26	26	18	18	22	21
	UQ	290	305	320	330	320	290	310	330	320	310	300	290	280	280	285	290	290	290	295	295	295	300	300	300
	LQ	275	290	285	290	280	270	285	310	310	290	280	280	270	265	270	280	275	280	285	280	280	285	285	280
fo F1	MED																								
	CNT																								
fo E	MED									U						U		U							
	CNT									360 1						400 1		220 4							
h' E	MED																								
	CNT																								
fo Es	MED	E 23	E 22	E 20	E 20	E 17	E 17		E 27	E 37	E 42	44	48	46	E 44	E 40	E 38	35	32	28	E 23	E 23	E 24	E 23	E 22
	CNT	21	27	20	25	29	29	19	21	26	28	28	29	21	18	13	21	29	29	28	25	26	29	21	15

SWEEP 1.1 MC TO 19.5 MC IN 15 MINUTES. MANUAL OPERATION.

OCTOBER, 1959

TABLE 36

OTTAWA, CANADA (45.4N, 75.9W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	52	46	43	40	40	42	51	58	60	62	65	65	70	70	70	71	72	72	73	78	74	72	62	60
	CNT	29	30	28	27	28	28	29	30	29	29	29	29	29	30	30	31	30	30	31	30	30	30	29	26
	UQ																								
	LQ																								
h' F2	MED																								
	CNT							3	4	470 17	480 16	495 20	510 21	490 24	480 23	500 25	500 23	450 22	430 12	4					
	UQ																								
	LQ																								
h' F	MED	300	305	310	300	310	300	260	250	230	220	215	205	210	210	220	230	230	250	270	290	280	270	290	300
	CNT	28	28	24	24	26	25	27	28	29	28	27	26	28	27	28	29	27	26	25	26	26	27	27	24
	UQ																								
	LQ																								
(M3000) F2	MED	U 260						300	300	280	280	280	U 260	280	260	280	270	270	U 280	U 280				U	U 270
	CNT	5	4	3	4	3	3	13	9	11	9	9	7	11	10	10	13	9	8	7	4		3	6	5
	UQ																								
	LQ																								
fo F1	MED								U 430																
	CNT							1	5	500 20	500 18	520 22	540 25	550 27	530 25	530 26	520 26	500 23	470 10	1					
fo E	MED						U																		
	CNT						180 7	240 18	300 13	330 14	370 12	400 12	400 13	400 16	400 18	400 19	380 23	350 22	300 21	270 15	200 8	1			
h' E	MED																								
	CNT					2	115 17	110 22		105 25	105 27	105 26	105 25	105 24	105 25	105 26	105 26	110 25	110 28	115 27	U 120 7				
fo Es	MED	U																							
	CNT	36 12	31 15	39 14	36 12	36 10	34 14	25 25	31 28	35 29	37 27	40 28	40 27	40 28	40 29	40 28	38 28	35 29	30 30	28 29	32 23	41 13	U 66 8	U 38 6	U 40 7

SWEEP 1.0 MC TO 20.0 MC IN 16 SECONDS.

AUGUST, 1959

TABLE 37

DE BILT, HOLLAND (52.1N, 5.2E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	67	63	58	55	59	62	64	67	70	71	71	71	71	70	71	71	72	73	73	72	75	73	72	71
	CNT	31	31	31	31	31	31	31	30	30	30	30	31	30	30	31	31	30	28	28	29	31	31	31	31
	UQ	72	68	63	61	62	69	74	76	78	80	80	82	79	77	76	77	76	75	77	80	80	82	79	75
	LQ	58	55	50	49	50	55	56	57	62	63	64	66	65	68	68	67	67	67	70	70	66	68	69	64
h'F2	MED				U	395	400	390	390	400	405	395	415	420	425	415	405	360	330	335	300				
	CNT				355	9	12	19	25	30	29	28	28	27	29	29	24	26	19	15	8				
	UQ				1																				
	LQ																								
h'F	MED	300	300	300	300	280	255	240	240	230	220	230	220	230	220	225	230	230	240	255	270	275	275	290	295
	CNT	31	31	31	31	31	31	30	29	28	27	27	29	27	28	30	29	26	25	22	24	30	31	31	31
	UQ																								
	LQ																								
(M3000)F2	MED	260	255	255	260	265	275	275	270	270	260	270	265	260	260	260	270	275	275	285	280	275	270	260	260
	CNT	28	27	28	27	31	31	31	29	30	31	29	28	29	30	31	31	30	28	28	29	30	27	28	28
	UQ																								
	LQ																								
foF1	MED					320	410	470	500	520	540	540	550	550	550	550	540	530	520	470					
	CNT					6	11	16	22	28	26	25	27	27	26	27	24	23	13	5					
foE	MED					190	240	300	330	360	370	390	400	400	390	380	370	340	310	280	220	170			
	CNT					22	26	30	31	31	30	29	26	26	27	26	27	28	30	30	20	16			
h'E	MED					E	110	100	100	100	100	100	100	100	100	100	100	100	100	105	120	E			
	CNT					17	27	29	30	31	30	31	30	30	30	30	30	29	29	30	24	21			
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 16.0 MC IN 40 SECONDS.

JULY, 1959

TABLE 38

OTTAWA, CANADA (45.4N, 75.9W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	54	48	43	40	40	45	51	54	57	59	59	62	65	64	67	70	70	74	76	75	72	72	65	60
	CNT	24	26	25	25	25	23	23	24	27	27	27	25	26	28	28	28	29	28	28	27	27	27	27	25
	UQ																								
	LQ																								
h'F2	MED							U				U								U					
	CNT						1	460	480	450	440	480	490	500	500	480	460	440	400	380					
	UQ							6	11	20	19	20	23	24	27	27	24	24	17	6	1				
	LQ																								
h'F	MED	310	310	300	300	300	280	260	240	230	220	210	200	210	210	210	220	220	240	250	270	270	260	280	300
	CNT	23	21	20	22	19	21	23	23	26	25	24	24	23	25	25	26	25	21	23	21	22	24	25	18
	UQ																								
	LQ																								
(M3000)F2	MED								U						U							U			
	CNT	2	1		1	1	4	290	270	280	270	260	260	250	260	250	260	260	260	270	270	280			
	UQ							10	5	10	6	9	9	12	8	19	19	21	17	14	11	6	3	3	3
	LQ																								
foF1	MED																								
	CNT						1	410	450	480	500	510	520	530	530	530	520	510	490						
							1	10	17	24	26	26	25	25	28	28	26	25	17	3					
foE	MED																								
	CNT						200	270	310	340	380	390	400	400	400	400	390	360	320	290	220	U			
							17	23	23	26	27	26	26	26	28	27	27	27	27	26	22	160			
h'E	MED																					6			
	CNT						120	110	110	105	100	100	100	100	100	100	105	105	110	110	120				
						1	13	19	21	25	25	23	23	24	22	25	25	26	25	22	12	2			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 16 SECONDS.

JULY, 1959

TABLE 39

SAO PAULO, BRAZIL (23.5S, 46.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U								U	D				U	U	U	U	U	U	U			
	CNT	126	116	105	100	86	73	83	90	98	100	110				135	139	136	137	132	134	132			
	UQ	5	8	18	18	15	14	20	20	18	7	5	3	2	4	5	10	12	13	11	7	7	4	1	2
	LQ	144	135	113	109	95	81	88	94	100	101	116				142	140	141	140	139	135	136			
		115	94	93	90	74	70	80	86	96	98	106				128	135	131	125	118	132	120			
h'F2	MED																								
	CNT												1	2	3	475	475	450	445	440					
	UQ															8	15	19	15	8					
	LQ																								
h'F	MED	320	300	280	260	250	260	250	245	240											E	425	395	365	360
	CNT	21	21	21	21	21	18	18	19	10	4	1						4	250	265	345	23	21	21	21
	UQ																		12	14	19				
	LQ																								
(M3000)F2	MED	U	U								U					U	U	U		U	U	U			
	CNT	250	280	260	275	275	260	280	260	240	230					235	250	250	250	240	230	225			
	UQ	5	6	17	17	15	14	20	20	17	7	4	1	1	4	5	10	12	13	10	7	6	2	1	2
	LQ																								
foF1	MED																								
	CNT												1	1		1		1							
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED										45							50	49	32	32				
	CNT	18	19	19	19	19	18	20	17	16	11	5	2	3	2	3	3	8	13	20	21	21	19	19	19

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS.

DECEMBER, 1958

TABLE 40

CANBERRA, AUSTRALIA (35.3S, 149.0E)

TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D	Q	Q	Q	Q	D	D	U		U	D	U	U	U			U	Q	Q	Q	Q	Q	D	D
	CNT	80	75	70	69	65	62	74	78	81	92	90	94	100	96	94	92	92	92	85	85	80	80	75	80
	UQ	25	28	29	29	30	30	31	30	30	28	28	26	22	27	26	28	26	27	25	26	23	24	23	26
	LQ	82	80	76	72	70	70	80	89	96	95	98	100	100	100	98	95	95	98	90	90	85	89	90	90
		73	65	65	60	60	60	64	72	75	80	81	82	90	89	88	90	86	85	78	75	75	75	75	75
h'F2	MED																								
	CNT						2	3	425	440	410	420	410	400	410	400	405	400							
	UQ								8	11	18	16	24	19	22	24	22	13	4						
	LQ																								
h'F	MED	275	285	290	280	290	260	240	230	220	210	220	220		220	220	225	230	240	250	270	280	300	300	290
	CNT	18	16	20	20	22	28	25	21	18	10	8	6	2	7	8	16	19	15	10	8	9	14	11	15
	UQ																								
	LQ																								
(M3000)F2	MED	255	255	245	255	250	U	275	265	270	260	255	260	260	250	255	255	260	260	260	260	U	U		U
	CNT	7	10	12	12	9	255	19	24	22	16	11	17	12	16	19	18	18	19	14	11	5	7	4	6
	UQ	265	270	255	260	260	260	280	280	270	270	265	270	260	260	260	260	265	265	265	270	260	255		260
	LQ	250	250	235	240	240	250	260	250	255	260	250	250	250	245	245	250	250	250	255	255	250	250		250
foF1	MED																								
	CNT						2	3	500	570	610	620	630	630	630	620	600	600							
									8	11	17	12	19	12	15	16	19	12	3						
foE	MED																								
	CNT						200	280	335	375	400	415	415	420	410	410	400	380	350	275	180				
						1	23	27	30	30	29	27	21	11	12	18	17	23	22	25	5				
h'E	MED																								
	CNT						120	100	100	100	100	100	100	100	100	100	100	110	110	110					
						1	15	27	30	30	29	25	21	11	11	18	17	22	22	25	1				
foEs	MED																								
	CNT	38	34	25	18	16	22	31	40	45	50	60	60	70	61	50	45	35	39	45	39	42	38	39	38
		30	30	31	31	31	31	31	31	31	30	30	26	25	24	23	23	27	26	28	28	27	28	28	29

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS.

DECEMBER, 1958

TABLE 41

FROBISMER BAY, CANADA (63.8N, 68.6W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	58	58	51	51	52	55	55	62	71	90	110	122	100	96	81	77	73	63	66	67	70	67	66	66
	CNT	29	30	28	29	30	30	29	28	26	26	27	28	28	28	27	29	29	29	29	29	28	27	28	29
	UD																								
	LQ																								
h' F2	MED													1											
	CNT																								
	UD																								
	LD																								
h' F	MED	290	280	300	290	290	270	270	280	270	260	250	250	240	250	250	260	250	260	260	250	250	250	260	260
	CNT	29	29	28	29	27	27	28	27	27	26	27	28	28	28	27	28	28	29	28	29	27	26	27	27
	UD																								
	LD																								
(M3000)F2	MED																								
	CNT																								
	UD																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED					U		U	U																
	CNT				3	220	210	210	210	230	240	250	250	240	240	230	230	200							
						6	9	8	8	11	11	14	15	16	21	21	17	9	2	1	1				
h' E	MED						U	U	U	U		U													
	CNT				1	3	110	120	120	105	110	120	120	120	120	120	130	4	1	1					
							6	5	6	5	6	10	11	14	14	13	9								
fo Es	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

NOVEMBER, 1958

TABLE 42

JULIUSRUM/RUGEN, GERMANY (54.6N, 13.4E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	49	48	47	43	42	41	38	54	86	125	140	151	150	149	146	143	134	123	97	83	65	55	50	47
	CNT	28	27	27	29	28	29	29	19	28	28	28	27	26	28	29	28	26	27	28	28	27	28	28	29
	UQ																								
	LD																								
h' F2	MED																								
	CNT																								
	UD																								
	LD																								
h' F	MED	E	E	E	E	E	E	E													E	E	E	E	E
	CNT	315	300	300	290	275	260	250	250	230	225	225	225	225	225	230	230	230	225	220	230	230	270	290	300
	UD	30	30	30	29	30	30	30	30	28	30	30	30	30	30	30	30	29	27	27	27	27	28	28	28
	LQ																								
(M3000)F2	MED	245	250	250	255	260	270	265	265	300	305	305	295	295	290	290	290	290	295	295	300	285	270	260	245
	CNT	26	26	27	29	28	27	28	19	28	27	28	29	26	28	30	29	28	27	27	28	26	28	28	29
	UD																								
	LD																								
fo F1	MED																								
	CNT																								
fo E	MED			E	E	E			U																
	CNT		3	18	13	14	4	2	180	205	250	285	300	305	300	280	250	195							
									5	11	17	19	19	24	23	24	20	12							
h' E	MED																								
	CNT																								
fo Es	MED					E	E	U	G	G			G	G	G	G	G				U	U			
	CNT		15	11	12			13			23	31						20	20	23	25	21			
		30	17	28	27	22	7	6	8	20	27	27	28	26	25	26	25	26	17	12	9	7	4	1	

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS.

NOVEMBER, 1958

TABLE 43

MEANOOK, CANADA (54.6N, 113.3W)

TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	50	48	47	46	46	46	50	48	62	85	112	128	138	141	143	144	141	135	120	102	82	69	56	52
	CNT	29	28	29	28	30	27	29	30	28	30	30	30	30	30	30	30	30	29	29	30	29	29	28	27
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UD																								
	LQ																								
h' F	MED	270	270	300	300	300	300	300	290	260	220	220	220	220	220	220	220	210	220	210	210	210	220	230	250
	CNT	28	25	30	28	30	28	29	28	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	28
	UD																								
	LD																								
(M3000)F2	MED																								
	CNT																								
	UD																								
	LD																								
fo F1	MED																								
	CNT																								
fo E	MED								E										E						
	CNT				1				22	170	220	260	290	300	290	280	240	200	29	2					
										20	23	25	28	29	29	28	28	22							
h' E	MED										110	110	110	110	110	110	110								
	CNT				1					3	14	23	26	24	29	23	25	2							
fo Es	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

NOVEMBER, 1958

TABLE 44

VICTORIA, CANADA (48.4N, 123.4W)

TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	41	41	41	40	41	40	39	50	83	114	135	146	149	148	148	142	136	130	112	93	69	52	46	42
	CNT	23	23	23	23	23	23	23	23	23	24	24	24	23	23	24	23	22	24	25	25	25	25	25	24
	UD																								
	LO																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED	290	300	310	310	310	310	310	270	220	220	220	220	220	220	220	220	210	210	210	220	210	230	250	270
	CNT	22	21	21	22	20	19	20	23	23	24	24	24	24	25	25	25	24	23	25	25	25	25	22	23
	UD																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UD																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED								E										E						
	CNT								23	220	270	300	310	310	310	300	270	210	24						
										14	20	23	24	24	24	24	24	15							
h' E	MED										110	110	110	110	110	110	110								
	CNT									1	13	19	22	20	23	22	14								
fo Es	MED																								
	CNT																								

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS.

NOVEMBER, 1958

TABLE 45

SAO PAULO, BRAZIL (23.5S, 46.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U								U	U	U	U	U	U	U	U	U	U	U		U	U
	CNT	145	138	127	110	92	83	95	100	114	120	126	133	135	136	136	138	140	138	137	137	136		135	140
	UQ	13	16	15	20	25	24	25	22	23	22	26	26	25	22	22	27	24	24	27	19	6	3	10	11
	LQ	145	144	140	120	115	95	98	106	120	123	128	135	138	138	138	140	140	140	140	140			140	141
		133	130	115	102	86	76	88	97	110	116	120	128	130	130	133	135	136	136	134	134			135	135
h'F2	MED												2	2	455	450	455	440							
	CNT														9	19	19	17	3						
	UQ																								
	LQ																								
h'F	MED	270	250	250	250	245	250	250	245	235	235	240	250	U		E									
	CNT	24	25	27	28	29	27	26	24	21	20	23	16	250	250	255	250	250	255	280	370	425	360	330	310
	UQ													11	10	10	24	22	25	28	26	25	24	22	24
	LQ																								
(M3000)F2	MED	U											U	U	U	U	U	U	U	U	U			U	
	CNT	300	300	295	285	280	270	275	260	250	240	235	240	240	245	250	250	250	250	245	225			270	
	UQ	6	12	15	20	25	24	25	22	22	20	19	23	20	19	18	27	22	21	23	13	2	1	8	4
	LQ																								
foF1	MED															U	U								
	CNT										1		4	1	680	670	640	2							
	UQ														6	5	6								
	LQ																								
foE	MED																								
	CNT							275																	
	UQ							5	2	1															
	LQ																								
h'E	MED																								
	CNT																								
	UQ																								
	LQ																								
foEs	MED																								
	CNT	25	25	26	28	29	26	26	24	22	24	28	28	26	25	26	27	43	365	29					
	UQ																	25	24	27	26	25	24	22	24
	LQ																								

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS.

NOVEMBER, 1958

TABLE 46

CANBERRA, AUSTRALIA (35.3S, 149.0E)

TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		U				U			U	U	U	U	U	U	U					U	U	D	U	U
	CNT	86	79	76	74	72	76	80	86	92	96	101	95	101	98	96	94	92	92	92	92	92	88	92	89
	UQ	28	29	29	29	29	29	29	28	29	29	24	27	28	29	30	30	30	30	30	29	27	29	28	27
	LQ	87	84	82	76	75	80	88	93	100	100	106	107	106	100	97	98	98	98	96	94	92	92	91	90
		79	74	71	69	66	70	73	76	78	80	82	81	89	85	87	86	85	85	85	85	88	82	86	82
h'F2	MED								2	430	400	425	430	410	410	410	425	400							
	CNT									6	10	13	18	22	22	24	17	14	1						
	UQ																								
	LQ																								
h'F	MED	U	U																		U				
	CNT	270	260	270	280	280	265	240	225	220	210	210	205	210	210	210	210	225	235	250	260	275	U		
	UQ	26	26	26	29	29	29	29	27	22	20	16	16	21	25	27	23	26	26	26	24	23	290	290	285
	LQ																						23	23	24
(M3000)F2	MED	270	260	260	260	265	290	295	280	270	265	255	250	255	255	255	255	260	265	270	270	260	260	260	265
	CNT	17	16	16	17	22	10	24	25	23	20	18	18	19	19	18	21	21	20	19	15	11	6	13	7
	UQ	280	270	265	270	270	290	300	290	285	270	270	265	265	260	260	260	265	270	275	275	265	270	270	265
	LQ	260	260	255	255	260	280	280	270	260	260	250	250	250	250	245	250	255	260	270	265	250	255	255	255
foF1	MED								U	600	610	640	670	660	660	630	620	600			E				
	CNT								530	9	10	14	17	24	23	25	21	14	1		160				
	UQ								1	5											11				
	LQ																								
foE	MED						180	270	325	365	385	400	405	405	400	400	380	360	310	240	160				
	CNT						20	25	27	29	29	22	25	23	25	24	29	28	28	23	11				
	UQ																								
	LQ																								
h'E	MED						105	105	100	100	100	100	100	100	100	100	100	105	110	110	110				
	CNT						29	29	28	29	29	24	26	28	29	30	30	30	30	30	10				
	UQ																								
	LQ																								
foEs	MED	38	33	27	16	12	19	30	37	46	48	49	51	46	45	44	40	37	36	36	36	30	40	37	34
	CNT	29	29	29	29	29	29	29	28	29	29	24	26	28	29	30	30	30	30	30	30	29	30	29	28
	UQ																								
	LQ																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS.

NOVEMBER, 1958

TABLE 47

EUREKA, CANADA (80.0N, 85.9W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	62	67	65	63	62	62	64	62	64	71	76	80	82	88	90	86	88	84	82	72	69	71	66	64
	CNT	28	29	29	29	29	29	28	29	29	30	30	29	28	29	29	29	29	28	28	28	27	28	28	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	280	270	270	270	280	270	270	270	270	270	260	260	260	260	260	270	260	270	260	270	270	270	280	270
	CNT	27	28	28	29	29	29	29	28	29	29	29	29	29	29	29	29	28	28	28	28	28	28	28	28
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED											U				E	U	U	U	U	U				
	CNT				1	1	1	1	2	2	4	200	200	200	200	200	190	210	250	260	260	260	240	200	
	UQ											7	11	15	17	15	9	9	5	8	10	14	13	12	
	LQ																					3	7		
h'E	MED																								
	CNT									1		1	1	2	4	3	1			1	3	4	1	1	1
	UQ																					130	140		
	LQ																					5	5	4	1
foEs	MED																								
	CNT																								

SWEEP 1.8 MC TO 20.0 MC IN 15 SECONDS.

OCTOBER, 1958

TABLE 48

CLYDE, BAFFIN I. (70.5N, 68.6W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	58	70	57	52	56	68	74	86	81	80	81	90	87	84	86	86	90	90	82	85	76	79	76
	CNT	18	14	14	19	15	14	18	18	20	20	18	19	20	19	17	16	16	18	18	16	20	20	18	19
	UQ																								
	LQ																								
h'F2	MED										1	2	2												
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U	U	U	U		U	U	U	U	U	U		U	U	U	U	U	U	U	U	U	U	U	U
	CNT	360	400	380	400		330	380	360	330	350	330		330	320	340	360	330	340	350	380	390	370	360	340
	UQ	8	5	5	5	4	5	6	5	7	6	5	4	9	8	8	6	6	5	6	5	7	7	8	7
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED										1	3	4	1	1	1	1								
	CNT																								
foE	MED							E	U	U	U	U	U	260	260	240	200		E						
	CNT						1	8	190	210	250	260	260	14	14	13	12	3	7						
	UQ								7	9	5	8	10												
	LQ																								
h'E	MED													U	U										
	CNT										1	2	3	130	140	4	1								
	UQ													5	5										
	LQ																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

OCTOBER, 1958

TABLE 49

FROBISHER BAY, CANADA (63.8N, 68.6W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	55	50	46	45	50	54	69	77	86	99	109	102	92	89	84	80	79	76	70	72	74	71	68
	CNT	14	27	27	26	27	28	30	29	29	28	25	29	30	30	29	28	28	29	29	29	28	28	29	29
	UQ																								
	LQ																								
h'F2	MED									1		3	3	1	2	1									
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	290	310	320	310	340	300	280	270	260	260	230	250	250	250	250	250	260	270	280	260	280	270	280
	CNT	16	16	17	12	12	13	12	15	16	14	14	17	15	17	16	16	16	17	17	17	17	16	17	17
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									1		3	3	1	2	1									
	CNT																								
foE	MED							230	250	280	290	300	300	300	290	270	260	200							
	CNT							9	11	12	18	16	19	24	25	23	19	16	9	3					
h'E	MED									U	110	U	105	105	105	110	115	U	130						
	CNT							3	2	2	6	9	8	14	10	14	11	6	1	1					
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. OCTOBER, 1958

TABLE 50

MEANOOK, CANADA (54.6N, 113.3W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	51	50	50	50	50	46	60	75	92	101	114	112	124	126	128	130	125	121	106	92	78	63	55
	CNT	26	24	26	26	24	27	26	28	29	29	31	30	29	31	31	31	29	30	29	29	30	29	27	29
	UQ																								
	LQ																								
h'F2	MED												1		2	1	2								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	330	350	330	320	310	310	270	240	230	220	220	210	220	220	230	230	230	220	230	230	230	250	290
	CNT	23	21	24	27	26	27	27	29	28	29	29	30	28	29	29	30	30	30	30	30	29	28	26	27
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED												1		2	1	2								
	CNT																								
foE	MED							E												E					
	CNT				1	1	1	13	14	19	23	22	21	24	26	24	24	21	19	17					
h'E	MED																								
	CNT				1				2	17	23	17	20	24	25	21	22	24	11						
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. OCTOBER, 1958

TABLE 51

QOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	63	61	57	U 56	53	47	59	80	104	125	134	131	132	128	130	125	123	U 115	U 98	U 88	U 80	U 74	U 68	U 66
	CNT	21	20	21	21	21	21	21	21	20	18	18	18	16	16	18	18	18	18	19	20	22	22	22	22
	UQ	70	68	65	62	57	53	73	100	122	130	140	139	140	130	138	131	126	117	109	93	85	80	74	73
	LQ	54	56	52	50	47	45	56	72	88	97	125	129	127	123	123	124	116	106	86	74	67	65	60	58
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	292	278	276	280	265	258	240	222	215	210	210	210	210	212	218	220	220	215	220	220	220	240	252	280
	CNT	20	20	20	20	20	20	20	20	19	18	18	18	17	16	18	18	18	18	21	21	22	22	22	22
	UQ	342	325	308	310	285	290	275	235	225	220	228	220	222	220	220	225	225	225	238	260	242	245	305	320
	LQ	265	250	258	252	240	228	220	205	200	205	205	200	210	210	210	215	220	220	210	212	210	225	238	245
(M3000)F2	MED	250	260	255	255	265	265	290	300	302	U 295	U 292	U 285	285	285	280	285	292	U 290	285	U 285	U 278	U 270	U 262	U 250
	CNT	21	20	21	21	21	21	21	21	20	18	18	18	16	16	18	17	18	17	19	20	22	22	22	22
	UQ	270	272	270	280	280	280	302	320	310	315	310	300	295	290	290	295	295	308	295	298	290	285	275	275
	LQ	220	222	225	235	245	242	245	278	280	280	275	275	278	272	275	278	280	278	270	240	250	240	225	225
foF1	MED																								
	CNT																								
foE	MED							175	230	290	320	335	345	332	325	300	270	240	175						
	CNT							19	14	12	10	9	10	12	11	13	17	10	3						
h'E	MED							E 136	U 104	104	103	102	101	102	101	U 104	E 114	U 108							
	CNT							10	19	18	19	18	17	17	15	18	16	10							
foEs	MED	E 16	E	E	E 14	E	E	G	G					G		G	G	G				E	E	E	E
	CNT	21	21	21	21	21	21	21	21	30	34	35	36	20	18	17	18	18	21	17	17	22	22	22	17

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. OCTOBER, 1958

TABLE 52

VICTORIA, CANADA (48.4N, 123.4W) TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	51	51	48	49	47	45	50	77	92	111	122	128	132	133	132	131	129	120	111	99	84	66	58	52
	CNT	26	24	27	25	24	25	27	27	25	23	25	25	25	25	25	24	23	22	23	26	26	26	26	26
	UQ																								
	LQ																								
h'F2	MED								1	2	1	1	1	1	1										
	CNT																								
	UQ																								
	LQ																								
h'F	MED	310	330	310	310	310	310	290	250	230	220	220	220	220	230	230	230	230	230	230	230	230	240	260	300
	CNT	27	26	26	23	22	20	26	27	27	25	25	25	24	25	24	25	26	26	26	26	26	26	26	26
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED								1	2	1	1	1	1	1										
	CNT																								
foE	MED							E	230	280	310	330	350	360	360	340	310	280	220	E					
	CNT							27	13	24	22	23	23	24	24	24	23	21	15	25					
h'E	MED							U	115	110	110	105	105	105	105	110	110	110							
	CNT							7		16	18	17	17	21	22	22	19	14							
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. OCTOBER, 1958

TABLE 53

SALISBURY, SOUTHERN RHODESIA (17.85, 31.0E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				U	U	U	U	U	U	U	U	U			U	U								
	CNT				60	60	60	90	90	100	102	100	120			120	110								
	UQ				1	5	3	2	1	5	8	5	1			1	1								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED				U	U	U	U	U	U	U	U	U			U	U								
	CNT				300	320	290	360	330	335	340	340	310			310	320								
	UQ				1	5	3	2	1	4	8	5	1			1	1								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							U	U				U	U	U	U	U		U						
	CNT							260	300	300	360	300		500	690	280	380	320	200						
	UQ							4	22	20	11	3		1	1	1	14	18	3						
	LQ																								
h'E	MED																								
	CNT																								
foEs	MED	E		E	E	E	E	E	G	G	G	G	E	E	G	G	G		E	U			E	E	
	CNT	13						22					42	45				45	26	30			24	20	
	UQ	3	8	8	9	11	11	21	25	24	21	15	2	3	4	11	20	21	9	1			1	1	
	LQ																								

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

OCTOBER, 1958

TABLE 54

SAO PAULO, BRAZIL (23.5S, 46.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U										U
	CNT	139	142	144	144	142	142	140	138	134	142	144	146	155	158	140	103	89	75	93	112	119	127	133	137
	UQ	24	20	24	25	22	23	26	24	10	7	19	26	26	24	23	23	26	24	24	27	28	28	24	22
	LQ	144	145	146	148	148	148	148	144	141	142	150	160	168	165	150	116	95	84	96	116	124	130	135	140
	LO	136	136	138	139	137	138	136	130	132	134	136	140	143	144	127	96	85	71	90	108	116	122	128	132
h'F2	MED																								
	CNT													1	455	440	440	440							
	UQ														9	19	20	15	3						
	LQ																								
h'F	MED																								
	CNT	250	235	225	230	240	245	250	240	235	230	245	240	250	240	245	250	250	260	290	375	370	300	275	260
	UQ	29	25	27	26	28	26	26	27	27	27	23	21	21	19	24	24	23	25	26	26	28	28	28	29
	LQ																								
(M3000)F2	MED	U												U	U	U	U	U	U	U	U	U	U	U	U
	CNT	320	330	330	305	290	280	295	290	280	260	255	250	250	255	260	260	260	260	260	240	240	270	300	320
	UQ	20	20	20	23	26	24	24	27	27	27	23	21	19	18	21	24	21	21	21	18	9	6	14	21
	LQ																								
foF1	MED																								
	CNT													2	700	680	670	2							
	UQ														7	10	9								
	LQ																								
foE	MED								280	340															
	CNT							4	10	8	1							3	2	1					
	UQ																								
	LQ																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT	29	26	27	26	28	26	27	28	26	28	26	26	27	25	27	26	22	25	26	26	28	28	28	29
	UQ																								
	LQ																								

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS.

OCTOBER, 1958

TABLE 55

SAO PAULO, BRAZIL (23.5S, 46.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U										U	U	U	U			U	U	U	U	U	U	U	U
	CNT	148	144	125	88	73	70	75	105	120	130	137	136	136	135	138	138	140	142	141	145	139	135	144	145
	UQ	21	23	20	20	23	22	25	22	22	22	18	20	19	20	19	19	20	20	20	18	15	10	17	18
	LQ	155	150	135	98	90	78	87	111	124	136	140	140	142	140	143	144	144	146	146	146	142	141	148	148
	LO	134	124	105	79	68	58	66	101	116	127	132	134	134	132	134	134	134	134	136	136	134	132	136	140
h'F2	MED													410	440	440	430	425							
	CNT												2	6	9	17	19	15	1						
	UQ																								
	LQ																								
h'F	MED	230	220	220	230	265	260	265	240	240	230	230	235	240	230	245	240	245	260	290	355	350	280	245	235
	CNT	26	26	22	24	24	25	25	25	25	24	22	23	22	22	17	22	24	22	24	23	24	25	25	23
	UQ																								
	LQ																								
(M3000)F2	MED	U										U	U	U	U			U	U	U	U	U	U	U	U
	CNT	330	330	320	285	280	290	285	300	300	285	280	270	260	250	260	255	260	265	265	260	260	265	300	315
	UQ	18	19	18	20	22	20	23	22	22	21	18	19	18	17	19	19	20	19	18	13	10	9	12	13
	LQ																								
foF1	MED															U	U								
	CNT													700	680	680	680	4							
	UQ													7	15	16	8								
	LQ																								
foE	MED																		U						
	CNT								3	330								1	305	2					
	UQ									5									5						
	LQ																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT	26	26	22	24	24	25	25	25	25	24	24	24	25	26	23	23	24	23	24	23	24	25	25	23
	UQ																								
	LQ																								

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS.

SEPTEMBER, 1958

TABLE 56

CLYDE, BAFFIN I. (70.5N, 68.6W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	51	53	59	53	60	60	61	60	64	65	62	63	65	62	61	60	61	63	62	63	59	61	58
	CNT	26	27	24	23	21	20	18	17	18	18	17	20	19	19	17	20	21	23	23	24	24	26	25	28
	UQ																								
	LO																								
h'F2	MED						U	U	U							U									
	CNT						580	580	580	600	580	590	580	580	590	710	600	590	590						
	UQ			1	1	1	5	8	8	12	12	15	13	13	11	9	16	13	12	3	3		1		
	LQ																								
h'F	MED	340	370	350	350	310	300	300	300	290	290	300	290	290	280	280	290	300	300	310	320	360	350	370	370
	CNT	25	26	21	21	18	15	16	16	14	13	15	14	13	18	12	14	16	18	16	19	21	23	21	23
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED						U																		
	CNT						400	420	450	480	490	500	500	500	500	490	480	480	460						
	UQ			1	1	3	5	10	11	15	17	18	19	18	18	16	19	16	14	4	3				
	LQ																								
foE	MED	170	180	180	200	220	270	290	300	310	320	340	U	U	340	330	310	300	300	280	240	U	U	U	170
	CNT	10	13	12	14	12	12	14	14	12	10	10	350	350	11	11	14	14	15	13	10	210	190	180	10
	UQ												8	9								9	8	7	
	LQ																								
h'E	MED						U	U	U	U	U	U	U	U	U	U	U	110	125	130	U				
	CNT				2	150	130	120	120	110	110	110	110	110	110	110	110	10	10	11	140	2			
	UQ					10	9	12	9	9	8	11	8	9	8	7	10				5				
	LQ																								
foEs	MED																								
	CNT																								
	UQ																								
	LQ																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

AUGUST, 1958

TABLE 57

OOURBES, BELGIUM (50.1N, 4.6E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
foF2	MED	67	63	60	58	54	60	66	73	78	78	82	85	84	85	84	79	80	81	84	82	80	73	70	68	
	CNT	29	28	29	29	29	28	27	25	27	25	25	23	25	28	28	26	30	30	29	30	29	29	30	28	
	UQ	70	68	64	60	58	64	79	80	84	88	92	90	89	90	88	86	85	84	86	88	82	78	76	74	
	LQ	64	60	56	52	50	57	61	66	69	75	73	75	79	78	78	76	74	77	78	77	70	68	68	68	
h'F2	MED						385	395	350	360	400	400	385	390	380	400	370	345	355							
	CNT						2	3	4	7	12	10	16	16	24	18	19	10	3							
	UQ								400	500	430	450	445	430	440	425	400	380								
	LQ								330	300	290	330	350	360	350	335	330	320								
h'F	MED	290	300	290	300	290	260	235	220	210	210	210	210	210	215	210	210	220	230	250	250	250	260	275	280	
	CNT	25	28	24	27	29	27	26	16	22	20	17	18	24	24	23	24	28	23	25	25	24	22	27	27	
	UQ	300	310	305	320	320	270	240	230	220	215	220	215	220	220	215	220	230	240	260	260	270	265	290	290	
	LQ	280	270	270	270	275	250	230	210	210	200	205	200	205	205	205	205	215	225	240	240	235	250	260	270	
(M3000)F2	MED	265	260	260	U 265	270	290	300	295	290	280	U 280	275	275	270	275	275	280	290	290	U 290	U 280	U 275	U 270	U 270	
	CNT	29	28	29	29	29	28	27	25	27	25	25	23	25	28	28	26	30	30	29	30	29	28	30	28	
	UQ	275	270	270	275	285	305	310	300	300	300	290	290	285	285	290	285	290	300	300	300	295	280	280	275	
	LQ	255	250	250	250	250	275	285	285	265	270	265	260	270	260	265	275	270	275	280	285	270	260	260	260	
foF1	MED						400	450	490	520	U 550	580	U 600	590	600	U 590	560	U 550	520							
	CNT						2	3	4	6	12	9	15	16	22	27	18	10	2							
foE	MED					U 150	U 210	270	315	340	370	380	U 380	U 390	U 390	380	U 365	330	290	U 240	E 160					
	CNT					10	12	14	14	14	12	4	3	4	7	14	16	22	19	5	14					
h'E	MED					105	111	105	101	101	101	101	101	101	101	101	101	101	101	107	101					
	CNT					6	12	26	28	27	27	24	22	23	24	25	25	26	26	15	1					
foEs	MED	E 16	15	12	14	U	16	24	32	40	42	43	47	43	44	43	40	38	36	35	33	U 26	U 29	U 28	U 26	U 19
	CNT	29	28	28	29	29	28	29	28	27	25	26	25	26	28	28	27	30	30	30	30	29	30	30	29	

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

AUGUST, 1958

TABLE 58

VICTORIA, CANADA (48.4N, 123.4W)

TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	46	44	42	41	45	54	62	65	71	73	79	79	79	77	76	76	74	72	71	67	66	58	51
	CNT	28	30	30	30	29	29	29	29	29	31	31	31	31	31	31	31	31	31	31	31	31	29	29	29
	UQ																								
	LQ																								
h'F2	MED							U 520	520	500	490	480	450	470	490	470	460	440	U 410						
	CNT						2	8	15	21	27	26	29	27	31	29	25	24	9	1					
	UQ																								
	LQ																								
h'F	MED	320	330	350	350	350	310	270	230	220	210	210	210	210	220	220	220	230	240	260	270	270	280	290	300
	CNT	26	29	29	29	27	26	27	29	29	29	26	24	27	27	27	28	30	30	29	31	31	30	29	28
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED							U 380	460	500	520	530	560	570	590	580	550	540	U 480						
	CNT						2	8	15	22	29	28	30	29	31	29	25	24	9	1					
foE	MED							240	300	330	370	390	400	400	400	400	380	350	310	270	U 220				
	CNT							23	26	28	27	27	26	26	28	28	28	31	31	23	9				
h'E	MED							115	110	110	110	105	105	105	105	105	105	110	110	110	U 120				
	CNT							19	21	25	26	28	26	22	24	27	25	28	28	18	5				
foEs	MED																								
	CNT																								

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS.

AUGUST, 1958

TABLE 59

CLYDE, BAFFIN I. (70.5N, 68.6W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	52	52	54	54	51	52	55	55	60	60	60	59	62	56	53	56	54	57	55	59	56	56	57
	CNT	14	14	14	14	14	14	14	14	19	12	11	11	11	12	10	11	12	12	13	15	15	15	15	14
	UQ																								
	LQ																								
h'F2	MED					U 550	600	600	650	U 660	U 610	U 640	U 690	U 610	U 650	U 820	U 690	630	U 690	U 620	U 540	U 550			
	CNT	2		2	3	7	11	13	11	8	5	9	7	6	10	6	8	10	8	7	7	5	3	1	2
	UQ																								
	LQ																								
h'F	MED	360	350	330	300	300	310	290	U 290	U 290	U 270			U 270	U 260	U 260	U 270	U 280	U 290	U 300	300	330	350	360	360
	CNT	13	13	12	13	13	11	13	8	9	5	2	4	5	8	6	9	8	7	8	11	11	11	14	14
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED				U 370	400	420	440	460	470	480	500	480	480	500	490	470	470	450	430	U 400	U 360			
	CNT	2		3	5	10	14	14	14	13	11	11	11	11	12	11	11	11	12	9	8	5	3	1	2
foE	MED	U 200	U 220	U 230	240	270	290	300	310	U 320	U 340		U 360	U 360	U 350	U 350	U 340	310	U 310	300	270	250	230	U 220	U 200
	CNT	5	8	8	9	10	9	10	10	8	8	4	6	6	6	7	8	9	7	9	11	12	11	8	6
h'E	MED					U 130	120	120	120	110	U 110	U 120	U 110	U 120	U 115	U 120	U 120	U 120	U 115	U 120	135	140			
	CNT			2	4	8	9	10	9	9	7	7	6	7	8	8	9	8	8	7	10	6	3	2	
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

JULY, 1958

TABLE 60

PROBISHER BAY, CANADA (63.8N, 68.6W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	56	50	46	44	U 52	U 45	45	41	U 42		U 47	U 48	U 48							U 42	57	57	55
	CNT	11	14	14	14	11	8	8	9	9	8	3	6	5	5	4	2	4	4	4	4	7	9	9	12
	UQ																								
	LQ																								
h'F2	MED																								
	CNT		1		1		1	1	1	3		2	2	2	1	4	2	2	2	3	4	4	U 430	7	4
	UQ																								
	LQ																								
h'F	MED	290	310	300	330	360	310	320	U 250	U 250	230		U 230	U 210								240	U 260	U 270	320
	CNT	11	13	14	12	10	10	8	8	6	11	3	5	5	4	2	1	3	3	4	2	10	7	6	9
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									U 400	U 420	U 430	U 460	U 480	U 480	U 500						U 440	U 420		
	CNT		1	1	1		2	3	3	8	11	5	5	6	5	5	2	3	3	4	3	8	8	4	
foE	MED							1	1	1	1	2		1	1				1				1	1	
	CNT																								
h'E	MED							1		1	1				2					1			1		
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

JULY, 1958

TABLE 61

TRELEW, ARGENTINA (43.2S, 65.3W)

TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	65	67	66	71	60	60	55	64	D 90	D 94	Q 96	Q 98	Q 96	Q 104	Q 100	Q 99	Q 93	Q 90	Q 90	Q 72	Q 88	Q 72	Q 70	D 79
	CNT	24	24	26	27	26	27	24	25	26	22	10	10	3	2	6	11	15	19	18	18	20	18	23	22
	UQ				U		U																		
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	290	310	295	300	260	240	290	220	220	220	210	220	220	225	230	230	215	210	210	220	235	270	290
	CNT	19	18	23	21	24	21	18	22	26	22	10	8	6	2	5	9	14	18	13	13	17	13	13	14
	UQ																								
	LQ																								
(M3000)F2	MED	U 250	U 245	U 245	U 245	U 260	U 240	265	275													U 310	U 300	U 270	U 260
	CNT	13	13	13	11	15	13	12	13													1	1	6	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U 195					U 390			U 370								
	CNT								4	300	340	U 390		1			1								
										16	10	3													
h'E	MED							E		U 120	105	103	U 101	U 101	U 101		U 101	101							
	CNT							2		2	11	7	4	2	1		3	1							
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

MAY, 1958

TABLE 62

TUCUMAN, ARGENTINA (26.9S, 65.4W)

TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	Q 171	Q 175	Q 164	131	96	80	75	104	127	139	144	O 139	155	Q 153	170	D 156	Q 166	U 170		O 145	Q 146	Q 150	U 170	Q 173
	CNT	9	12	18	21	21	23	20	17	25	21	20	16	8	6	5	4	4	2		2	1	1	2	9
	UQ																								
	LQ																								
h'F2	MED							U 470						U 400	390	415	395	U 370	U 385						
	CNT							1						2	6	7	8	5	2						
	UQ																								
	LQ																								
h'F	MED	250	230	220	205	225	225	250	230	225	220	U 220	U 200	U 215	U 240	U 230	U 230	225	235	250	280	U 340	280	265	250
	CNT	23	22	21	24	20	15	19	22	26	23	8	6	2	1	1	4	7	10	9	10	8	15	15	23
	UQ																								
	LQ																								
(M3000)F2	MED	U 307	U 332	U 334	339	307	281	287	U 333	330	312	297	U 282	274	U 304	U 270	U 279	U 270	280						U 287
	CNT	3	5	9	13	16	20	19	10	20	19	18	6	5	2	3	1	1	1						1
	UQ																								
	LQ																								
foF1	MEQ															U 750									
	CNT															1									
foE	MEQ								240	315	U 360								U 330	U 260					
	CNT								17	10	2								3	3					
h'E	MEQ							U 127	111	101	101	101	101	U 99	U 99	U 99	U 99	U 111	U 109	U 119					
	CNT							1	8	15	14	12	4	1	1	1	1	2	3	1					
foEs	MEQ	25	33	23	23	30	26	22	24	32	38	46	55	62	62	65	64	63	59	50	40	32	30	32	26
	CNT	5	12	15	16	16	18	18	19	22	19	20	16	16	22	23	21	22	22	21	21	16	12	7	4

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

MARCH, 1958

TABLE 63

DOURBES, BELGIUM (50.1N, 4.6E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	47	45	45	44	39	36	38	64	96	118	128	132	131	133	132	130	U 122	U 115	U 91	U 75	U 62	60	54	51
	CNT	28	28	28	27	28	28	28	28	28	26	26	27	28	26	26	20	22	24	28	28	28	22	22	22
	UQ	51	50	48	45	44	40	42	70	106	126	138	140	140	135	134	132	128	120	107	84	76	68	63	58
	LQ	45	43	43	41	36	33	35	60	88	108	111	124	124	128	127	122	118	112	86	72	53	50	47	47
h'F2	MEQ										245	250													
	CNT										1	1													
	UQ																								
	LQ																								
h'F	MEQ	290	300	300	310	290	275	260	240	230	225	220	220	225	225	230	225	220	225	215	220	230	250	260	285
	CNT	18	26	27	28	21	17	19	28	28	27	26	26	28	26	26	21	22	25	27	26	24	17	16	19
	UQ	310	310	320	325	305	295	300	260	235	230	230	225	225	230	230	230	230	230	220	225	255	290	300	320
	LQ	265	285	295	285	280	260	230	230	220	220	220	220	220	220	225	220	220	220	210	215	225	230	240	270
(M3000)F2	MED	250	245	250	250	255	260	275	300	310	315	310	305	300	295	295	300	305	U 305	U 300	U 290	285	U 260	255	250
	CNT	28	28	28	26	28	28	28	28	28	27	26	27	28	26	26	20	19	23	26	28	27	21	22	22
	UQ	260	260	260	265	280	275	280	315	320	320	315	310	310	300	300	305	310	315	310	305	295	290	280	270
	LQ	230	230	230	230	240	240	250	280	300	300	300	305	290	285	290	290	300	295	290	280	255	240	240	235
foF1	MEQ										370	410													
	CNT										1	1													
foE	MED								U 180	250	290	320	330	335	330	310	280	240	E 160						
	CNT								21	26	26	27	27	27	26	25	21	16	19						
h'E	MEQ								115	113	111	111	111	113	115	115	115	119	115						
	CNT								9	21	24	26	27	28	25	25	20	19	1						
foEs	MEQ	E 15	E	E	E	E 16	E 16	E 16	18	G	G	G	G	G	G	G	29	25	17	E 16	E 16	E 16	E	E	E 16
	CNT	28	28	28	28	28	28	28	28	25	18	16	25	26	26	21	16	20	24	28	23	23	22	23	23

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

FEBRUARY, 1958

TABLE 64

CLYDE, BAFFIN I. (70.5N, 68.6W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	63	66	52	50	42	42	51	52	70	68	70	81	93	90	90	74	82	83	72	67	71	66	70	68
	CNT	19	24	20	21	15	18	18	16	21	17	17	18	15	20	17	16	19	21	24	24	21	22	21	21
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	300	310	300	300	320	340	310	310	300	290	280	300	300	280	290	280	300	300	300	310	300	300	300	290
	CNT	26	28	27	26	25	22	20	23	25	24	26	23	23	25	23	24	26	24	27	28	28	27	27	26
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ										1			1	3	3									
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

JANUARY, 1958

TABLE 65

TUCUMAN, ARGENTINA (26.9S, 65.4W)

TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	118	110	102	83	72	68	76	96	U 110	118	123	128	135	142	145	143	137	134	130	130	131	134	129	127
	CNT	18	22	26	26	24	24	25	27	29	29	27	30	28	30	30	29	29	29	29	29	31	23	13	15
	UQ																								
	LO																								
h'F2	MEQ											495	540	545	500	485	465	470	470	U 500					
	CNT											5	7	19	26	26	27	24	22	4					
	UQ																								
	LQ																								
h'F	MEQ	375	325	305	300	295	300	270	235	220	210	210	200	200	200	200	210	220	225	255	300	400	440	420	380
	CNT	31	31	30	29	27	24	29	29	26	20	20	15	7	10	14	11	24	26	24	18	22	28	28	29
	UQ																								
	LO																								
(M3000)F2	MED	225	240	240	240	230	225	250	250	U 230	220	220	215	220	U 220	U 225	U 220	220	220	220	U 210	U 205	U 210	220	215
	CNT	14	18	25	24	23	24	23	24	18	22	25	29	26	20	17	19	22	22	24	15	12	11	9	7
	UQ																								
	LO																								
foF1	MEQ										U 720	700	690	690	680	660	640	620	590						
	CNT										4	13	13	12	16	15	15	18	7						
foE	MED						U 120	210	300	U 350									360	300	220				
	CNT						1	13	7	1									5	8	8				
h'E	MED							101	100	101	99	99	100	99	99	99	101	99	101	101	113				
	CNT							5	12	11	13	9	10	7	8	8	8	15	19	13	4				
foEs	MED	38	38	29	23	26	28	27	40	44	42	48	46	50	50	50	46	G	39	36	32	42	41	34	42
	CNT	19	18	15	17	14	21	29	29	29	27	19	16	14	15	15	20	25	29	29	26	22	15	16	13

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

JANUARY, 1958

TABLE 66

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	82	82	76	74	71	74	82	85	86	86	86	O 86	O 86	D 86	U 86	Q 86	85	U 85	D 86	U 86	80	U 82	U 82	U 82
	CNT	30	30	28	29	30	30	30	30	28	29	29	29	29	27	28	28	30	28	24	28	25	24	27	28
	UQ																								
	LQ																								
h'F2	MED					U 375	360	340	350	360	428	408	410	442	412	410	400	400	352	335	305				
	CNT					3	10	17	21	23	22	25	24	28	25	28	27	27	25	17	6				
	UQ																								
	LQ																								
h'F	MED	E 310	E 315	E 315	E 305	305	260	250	250	250	U 245	210	245	230	255	E 245	245	250	E 250	E 260	E 275	275	E 300	E 310	E 310
	CNT	30	30	27	29	29	30	30	25	22	20	20	19	20	16	20	22	19	19	20	26	25	25	27	26
	UQ																								
	LQ																								
(M3000)F2	MED	245	245	U 255	255	255	260	265	260	265	245	250	250	245	250	255	255	260	260	260	275	U 260	U 250		
	CNT	7	12	4	19	25	21	15	13	9	7	7	7	9	6	7	9	12	10	5	5	2	2		
	UQ																								
	LQ																								
foF1	MEQ						400	470	530	560	580	610	620	600	600	600	580	560	520	U 460					
	CNT						7	11	17	19	19	21	20	25	20	25	24	22	14	5					
foE	MED					170	225	290	335	365	385	400	400	410	405	400	395	370	335	285	210	U 160			
	CNT					15	23	30	30	30	29	29	28	30	27	29	27	30	30	29	25	3			
h'E	MED						120	105	100	100	100	100	100	100	100	100	100	100	100	110	120				
	CNT						23	28	29	30	29	29	28	29	29	30	28	30	30	27	26				
foEs	MED	27	26	28	26	26	28	36	45	48	48	49	50	46	51	46	48	51	49	48	47	36	36	28	26
	CNT	30	30	30	30	30	30	30	30	30	29	30	28	30	29	30	29	30	30	30	29	28	29	30	30

SWEEP 1.6 MC TO 16.8 MC IN 1 MINUTE.

JUNE, 1957

TABLE 67

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	97	Q 99	92	D 90	86	84	86	86	86	87	90	97	99	102	104	106	102	96	95	92	90	90	D 90	D 91
	CNT	14	17	24	24	25	28	28	28	29	28	27	28	29	28	30	30	30	30	30	29	27	24	20	24
	UQ																								
	LO																								
h'F2	MEQ						U 300	U 292	260	298	280	402	408	412	402	392	380	365	360	328	288				
	CNT						1	2	7	8	7	10	22	24	26	30	29	27	27	14	6				
	UQ																								
	LQ																								
h'F	MEQ	E 340	E 335	E 330	E 320	E 325	E 305	268	E 245	E 240	E 230	E 265	E 300	E 275	E 305	E 300	E 260	E 250	E 280	E 275	E 275	E 300	E 335	E 345	E 350
	CNT	29	29	29	29	29	28	28	28	29	28	28	29	29	28	30	30	30	30	30	30	30	29	30	29
	UQ																								
	LQ																								
(M3000)F2	MEQ	245	250	250	U 250	250	260	270	290	285	270	260	255	255	250	255	260	265	265	270	270	260	240	U 240	U 245
	CNT	7	9	15	16	20	27	28	27	27	27	28	28	28	28	29	30	30	30	29	27	20	17	8	9
	UQ																								
	LQ																								
foF1	MED						U 250		U 420	U 500	470	600	630	640	640	620	600	590	560						
	CNT						1		1	2	7	8	17	19	14	20	20	15	8						
foE	MEQ							200	280	330	370	395	410	410	410	400	390	380	340	290	205				
	CNT							18	23	26	25	20	13	12	9	14	15	25	30	30	24				
h'E	MED							125	110	105	105	105	105	105	105	105	105	105	105	110	125				
	CNT							17	26	29	28	28	26	25	23	27	30	30	30	30	23				
foEs	MEQ																								
	CNT																								

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

JUNE, 1957

TABLE 68

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME LOCA

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 72	U 66	64	59	56	56	76	86	97	108	118	125	130	136	136	136	137	130	122	112	100	86	79	75
	CNT	26	26	25	27	27	24	28	29	27	27	28	27	26	26	25	26	25	26	27	28	29	28	27	27
	UQ																								
	LO																								
h'F2	MEQ							U 280	U 265	270	340	385	410	438	450	468	440	418	430	448	U 500				
	CNT							1	4	9	15	24	27	26	28	24	29	26	28	24	1				
	UQ																								
	LQ																								
h'F	MED	388	370	350	345	310	268	258	240	235	225	220	215	215	212	220	230	235	250	270	330	440	452	442	428
	CNT	26	26	25	27	27	24	26	30	25	25	23	25	20	20	21	24	26	28	29	29	27	28	28	26
	UQ																								
	LO																								
(M3000)F2	MED	242	250	255	255	265	272	310	305	285	265	255	250	245	250	245	245	250	245	245	230	215	220	225	235
	CNT	22	23	23	25	27	24	27	27	25	23	26	23	25	25	21	25	21	24	25	23	28	27	25	25
	UQ																								
	LO																								
foF1	MED							U 440	U 555	U 575	U 630	U 650	U 670	U 665	U 670	U 650	U 635	U 620	U 572	U 540					
	CNT							1	4	11	17	24	25	23	23	25	27	23	24	7					
foE	MEQ							190	295	355	385	410	425	435	U 420	410	392	360	305	235					
	CNT							13	17	16	12	17	17	15	13	10	16	21	24	17					
h'E	MEQ							131	113	109	109	107	107	107	108	107	109	111	113	121					
	CNT							5	7	9	8	11	13	13	10	12	14	21	18	13					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JUNE, 1957

TABLE 69

OJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 79	U 76	U 75	U 71	U 77	67	85	101	112	117	117	118	117	120	120	120	127	122	U 114	U 100	89	87	U 86	U 62
	CNT	5	4	3	3	5	14	24	29	27	26	27	30	28	28	29	27	24	19	20	27	19	13	7	6
	UQ																								
	LQ																								
h'F2	MED									U 320	U 300	U 385	U 400	450	488	452	445	425	460	U 580					
	CNT									1	3	5	4	17	14	22	19	8	7	3					
	UQ																								
	LQ																								
h'F	MED	410	415	372	320	270	230	260	240	230	230	220	220	220	220	222	230	230	250	280	350	400	440	445	430
	CNT	27	26	24	26	27	28	30	29	26	24	21	23	18	21	22	21	19	24	27	29	23	28	24	25
	UQ																								
	LQ																								
(M3000)F2	MED	U 245	U 240	U 252	U 253	U 292	312	295	290	265	242	230	217	214	210	212	214	220	220	215	204	198	212	215	228
	CNT	4	4	2	3	4	11	24	28	27	27	26	29	27	25	28	24	22	20	18	16	13	9	7	6
	UQ																								
	LQ																								
foF1	MED										U 640	700	660	680	660	600	660	650	655						
	CNT										4	11	19	25	24	28	24	15	6						
foE	MED							170	290	345	385	410	422	430	425	415	395	358	302	212					
	CNT							20	22	22	19	17	18	20	20	20	25	10	6	8					
h'E	MED							131	119	115	119	120	121	121	121	121	121	121	U 121	129					
	CNT							16	18	18	9	6	7	5	5	7	9	7	4	5					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JUNE, 1957

TABLE 70

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	32	30	30	29	29	36	82	U 120	U 120	U 125	U 115	U 112	U 110	U 110	U 110	104	108	98	80	68	57	50	45
	CNT	14	12	14	13	13	14	14	13	6	5	4	7	8	10	9	9	9	9	13	11	11	12	13	12
	UQ																								
	LQ																								
h'F2	MED									250	250	255	245	255	325	330	320	U 280							
	CNT									5	8	7	6	4	4	5	4	3							
	UQ																								
	LQ																								
h'F	MED	252	270	250	280	260	285	260	240	235	230	220	225	222	225	240	245	240	250	245	230	230	230	230	240
	CNT	10	10	9	9	9	10	9	14	14	14	12	11	10	7	9	11	12	13	11	11	12	12	12	11
	UQ																								
	LQ																								
(M3000)F2	MED	290	295	298	305	300	298	302	320	U 300	U 295	U 290	U 290	290	270	300	278	280	280	290	305	300	312	300	302
	CNT	14	12	14	12	13	14	14	13	5	3	3	6	8	9	10	8	11	8	11	10	11	12	13	12
	UQ																								
	LQ																								
foF1	MED										U 510	U 550	U 535	U 538	U 600	U 580	U 578	U 502							
	CNT										1	3	4	4	2	4	4	2							
foE	MED								225	298	348	U 365	U 395	U 395	U 390	U 380	350	305	225						
	CNT								11	12	12	3	5	3	1	3	11	9	9						
h'E	MED								121	111	111	105	103	105	105	104	106	107	112						
	CNT								5	7	5	11	11	12	11	10	6	4	2						
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JUNE, 1957

TABLE 71

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	78	75	71	72	76	80	81	84	86	94	99	100	99	100	98	90	88	87	88	85	82	80	81
	CNT	31	31	31	31	31	30	25	24	24	21	24	20	24	24	24	24	17	21	16	14	13	20	17	24
	UQ																								
	LQ																								
h'F2	MED						305	285	300	345	370	355	375	390	380	360	355	350	325	295					
	CNT						6	15	21	20	22	23	25	31	30	28	27	25	19	15					
	UQ																								
	LQ																								
h'F	MED	E 320	E 320	E 310	E 310	300	265	250	245	235	240	230	230	235	240	240	240	250	250	255	270	255	E 275	290	E 310
	CNT	31	31	31	31	31	31	31	31	31	28	27	28	30	30	30	30	30	29	30	31	28	31	30	31
	UQ																								
	LQ																								
(M3000)F2	MED	250	245	245	245	255	270	280	280	270	260	U 250		U 250	U 255	U 260	U 260	U 265	U 265						
	CNT	11	15	26	24	26	25	19	17	16	12	7	3	5	5	5	6	8	7	3	1		1	1	4
	UQ																								
	LQ																								
foF1	MED							U 480	U 540	U 570	580	610	610	630	620	610	580	570	U 520	U 450					
	CNT							7	11	15	17	16	23	27	29	26	21	16	10	3					
foE	MED					U 160	200	270	320	355	375	390	400	405	400	400	380	355	310	260	185	U 160			
	CNT					2	31	31	31	31	31	29	30	31	30	29	30	30	31	31	18	1			
h'E	MED						E 125	105	105	100	100	100	100	100	100	100	100	100	105	110	E 135				
	CNT						25	31	31	30	31	31	31	31	30	30	29	30	30	28	8				
foEs	MED	24	19	E		22	27	32	38	42	47	43	44	45	42	44	44	40	36	34	26	24	25	22	21
	CNT	31	31	31	23 31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31

SWEEP 1.6 MC TO 16.8 MC IN 1 MINUTE.

MAY, 1957

TABLE 72

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	Q 95	Q 96	Q 91	90	90	88	89	90	94	96	104	108	112	118	121	120	118	112	108	104	90	Q 90	Q 94	101
	CNT	14	12	15	16	22	28	29	30	29	29	31	30	31	31	30	31	30	30	29	25	23	18	19	12
	UQ																								
	LQ																								
h'F2	MED							U 250	240	240	255	345	390	385	378	370	358	355	335	U 312	U 275				
	CNT							2	14	10	7	11	14	25	28	29	28	20	11	4	1				
	UQ																								
	LQ																								
h'F	MED	E 335	E 325	E 320	E 305	E 300	E 285	250	235	232	220	E 225	E 270	E 275	E 300	E 300	E 255	E 250	E 250	255	270	E 270	E 320	E 340	E 335
	CNT	30	28	30	28	29	30	29	29	30	29	31	31	31	31	30	31	29	29	29	29	28	30	29	30
	UQ																								
	LQ																								
(M3000)F2	MED	U 245	U 255	U 255	255	260	260	290	310	300	280	270	255	255	255	255	260	265	270	275	280	255	245	U 250	250
	CNT	4	3	6	10	13	20	29	29	29	28	31	29	31	31	30	30	29	30	29	18	10	7	7	8
	UQ																								
	LQ																								
foF1	MED								380	430	480	600	690	660	650	660	620	620	U 550	U 520					
	CNT								6	5	5	6	6	16	16	20	16	10	3	1					
foE	MED							190	280	330	360	390	395	400	400	400	390	365	330	280	190				
	CNT							20	26	26	27	20	10	9	6	10	13	23	30	30	9				
h'E	MED							125	110	105	105	105	105	105	105	105	105	105	110	115	130				
	CNT							17	25	27	29	31	31	28	24	27	31	28	30	29	7				
foEs	MED	24	23	20	19	20	14	G	31	36	G	G	G	G	G	G	G	45	42	38	30	25	17	25	27
	CNT	30	30	30	30	29	29	29	29	30	29	31	31	27	25	29	31	29	30	30	30	30	30	30	30

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

MAY, 1957

TABLE 73

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W) TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	102	86	86	81	69	61	80	94	107	120	126	133	140	150	151	150	149	140	132	124	114	107	96	106
	CNT	23	21	25	24	27	28	29	28	29	26	27	27	26	26	27	25	27	27	29	29	28	26	15	18
	UQ																								
	LD																								
h'F2	MED									260	330	385	425	440	450	440	440	415	410	435					
	CNT									11	23	25	27	26	24	27	24	25	21	19					
	UQ																								
	LD																								
h'F	MED	355	330	290	265	225	240	250	235	225	220	215	210	210	210	215	225	235	245	270	350	435	430	410	380
	CNT	28	26	28	26	27	24	28	29	28	20	24	21	20	19	24	21	26	26	29	29	29	28	29	29
	UD																								
	LD																								
(M3000)F2	MED	245	250	275	280	290	245	295	290	270	260	250	250	240	245	235	235	240	245	230	220	215	215	215	235
	CNT	16	17	22	20	27	27	29	26	28	26	26	26	26	23	27	25	27	27	28	29	28	23	11	14
	UD																								
	LD																								
foF1	MED									U															
	CNT									550	525	570	670	645	640	620	600	590	580						
										7	23	21	23	22	22	24	21	17	12	4					
foE	MED																								
	CNT							195	295	360	390	410	425	430	415	405	385	350	290	200					
								22	15	20	13	17	15	13	13	23	15	20	20	20					
h'E	MED							U																	
	CNT							129	109	109	107	107	107	107	107	107	109	109	111	127					
								8	10	14	13	14	14	14	9	19	16	20	16	7					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. MAY, 1957

TABLE 74

OJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E) TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U		U	U																			U	
	CNT	95		87	95	83	66	85	108	124	128	128	126	123	122	116	116	118	119	120	102	88	91	89	93
	UQ	1		3	4	9	10	26	29	22	19	28	29	30	31	30	30	29	18	19	21	11	6	7	3
	LQ																								
h'F2	MED								U	U				U	U			U	U	U					
	CNT								270	250	270	300	352	445	440	420	418	440	400	475					
	UD								1	3	5	7	8	4	10	8	14	11	4	1					
	LD																								
h'F	MED	360	322	300	258	230	225	260	240	230	225	220	215	220	215	215	220	230	250	280	380	440	435	380	370
	CNT	29	30	31	30	29	30	31	30	31	28	31	26	25	27	26	29	27	28	29	29	29	30	29	29
	UD																								
	LQ																								
(M3000)F2	MED			U	U																	U	U	U	U
	CNT			274	292	295	301	297	293	269	246	231	221	212	213	218	219	218	221	217	201	202	209	220	223
	UQ			1	3	7	7	25	29	22	19	8	30	28	30	30	29	28	17	18	17	6	4	[illegible]	3
	LQ																								
foF1	MED									U															
	CNT									505	515	585	595	700	690	675	660	700	700						
										2	6	8	16	20	24	24	29	20	6						
foE	MED																								
	CNT							170	290	345	390	405	420	430	420	410	388	340	295	175					
								26	23	25	23	19	19	23	16	16	20	5	7	10					
h'E	MED																								
	CNT							131	115	119	119	119	120	121	120	119	121	119	119	127					
								22	15	20	17	8	8	7	10	7	13	8	9	11					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. MAY, 1957

TABLE 75

TANANARIVE, MADAGASCAR (18.8S, 47.5E) TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	39	37	34	32	31	42	90	U	U	U	U	U	U	U	U	U	U	U		90	80	67	51
	CNT	28	28	28	28	28	28	30	30	120	134	132	125	125	120	120	120	120	120	120	100	30	31	29	28
	UQ									25	13	9	23	24	22	25	31	28	28	29	28				
	LQ																								
h'F2	MED														U	U	U	U	U						
	CNT									245	252	255	252	270	270	325	305	320	270						
	UQ									5	20	20	16	10	4	5	4	3	1						
	LQ																								
h'F	MED	230	250	250	255	E	U	255	230	230	225	220	218	222	220	230	230	235	245	232	220	230	230	225	220
	CNT	26	26	25	26	26	280	29	30	31	30	23	22	20	19	23	26	26	28	30	28	29	31	29	26
	UQ						26																		
	LD																								
(M3000)F2	MED	295	290	285	290	270	282	280	330	300	305	290	U	U	U	U	U	U	U	U		295	310	310	300
	CNT	28	27	28	28	27	28	30	30	19	15	9	280	270	265	265	260	265	275	280	290	30	29	27	27
	UQ												16	19	21	22	24	26	27	27	27				
	LQ																								
foF1	MED										U	U	U	U	U	U	U	U							
	CNT										525	525	530	575	600	620	585	570							
											2	4	7	8	4	8	6	4							
foE	MED						J	E																	
	CNT						850	30	235	305	350	375	395	405	392	380	355	315	240	140					
							1	30	30	31	30	22	17	18	20	24	28	28	27	17					
h'E	MED							E												E					
	CNT							19	118	110	105	105	105	105	105	105	105	110	118	11					
									14	16	19	27	27	26	22	22	24	23	22						
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. MAY, 1957

TABLE 76

POITIERS, FRANCE (46.6N, 0.3E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	74	72	69	66	62	60	68	75	82	102	104	112	112	114	115	112	110	U	U	U	U	U	U	U
	CNT	28	29	30	29	29	30	29	29	24	25	27	28	28	28	25	27	27	110	110	109	86	77	76	76
	UQ																		19	15	9	16	14	18	28
	LQ																								
h'F2	MED							U												U					
	CNT							345	250	310	330	315	345	340	350	350	340	300	275	245					
	UQ							2	13	15	18	24	24	25	26	23	21	17	10	1					
	LQ																								
h'F	MED	E	E	E	E	E																			
	CNT	325	335	315	305	290	280	250	235	230	235	240	230	240	240	240	240	245	250	260	250	245	E	E	E
	UQ	30	30	30	30	30	30	30	30	30	29	30	29	30	29	29	30	30	30	30	30	30	260	285	310
	LQ																						30	30	30
(M3000)F2	MED	250	235	235	250	250	270	285	285	275	260	U	265	260	U	280	275	270	U					U	U
	CNT	5	13	12	14	21	23	19	19	12	6	2	2	4	4	3	1	4	275					270	255
	UQ																		1					1	2
	LQ																								
foF1	MED							U			U								U						
	CNT							420	410	580	590	610	660	660	670	620	620	550	480						
								2	5	12	15	20	20	18	22	20	14	8	1						
foE	MED																								
	CNT						170	230	290	330	360	380	380	390	400	380	370	340	290	220	180				
							11	29	30	30	29	29	29	25	27	30	30	30	29	30	5				
h'E	MED							E																	
	CNT							115	105	105	100	100	100	100	100	100	100	100	105	120					
								24	26	30	28	29	29	29	28	29	30	28	27	27					
foEs	MED	E	E	E					G	G	G			G		G	G					E	E	E	E
	CNT	30	30	30	20	20	20	26			28	34	39	29	38	29	28	34	31	[illegible]	19	30	30	30	30
					30	30	30	29	30	30		30	29		29		30	30	30		30				

SWEEP 1.6 MC TO 16.8 MC IN 1 MINUTE. APRIL, 1957

TABLE 77

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	109	109	Q 92	90	88	79	80	88	99	113	120	130	132	133	131	131	128	126	126	115	105	109	Q 110	112
	CNT	14	19	16	25	28	29	30	30	29	29	30	29	30	30	29	30	30	30	30	30	23	17	19	23
	UQ																								
	LQ																								
h'F2	MEQ								245	240	245	290	360	348	355	355	360	U 350	U 280	260	U 265				
	CNT								9	21	14	7	5	8	14	12	8	3	1	7	1				
	UQ																								
	LQ																								
h'F	MEQ	E 320	E 330	E 315	E 280	E 270	E 260	270	235	232	230	230	E 250	E 260	E 265	E 270	245	250	250	260	260	E 265	E 305	E 330	E 325
	CNT	30	30	30	30	30	30	30	30	30	30	30	29	30	30	29	30	30	30	30	30	30	29	30	30
	UQ																								
	LQ																								
(M3000)F2	MEQ	250	U 240	U 220	U 265	260	255	270	300	300	280	270	265	260	260	255	260	255	260	270	280	U 260	U 250	U 245	U 260
	CNT	5	7	3	14	20	26	29	30	29	29	29	29	30	30	27	29	30	30	30	26	9	5	3	9
	UQ																								
	LQ																								
foF1	MEQ								340	410	470	U 520	U 800	U 710	U 690	U 690	U 690	U 660		U 420	U 250				
	CNT								5	15	9	2	1	3	2	1	1	2		2	1				
foE	MEQ							U 150	235	310	345	375	400	U 390	U 385	390	390	360	320	250					
	CNT							1	30	28	28	12	5	4	2	10	18	24	29	27					
h'E	MEQ							U 120	115	110	105	105	105	105	105	108	105	105	110	115					
	CNT							1	29	29	29	30	29	28	27	28	29	30	30	27					
foEs	MEQ	E	E	E	E	E	E	E	G	G	G	G	G	G	G	G	G								
	CNT	30	30	30	30	30	30	30	30	30	29	30	29	28	27	28	29	42 30	38 30	34 30	24 30	16 30	16 30	18 30	18 30

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

APRIL, 1957

TABLE 78

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MEQ							U 230	U 240	U 280	U 250	U 340	U 392	412	400	410	400	420	U 370						
	CNT							1	1	1	1	2	4	8	11	19	15	7	1						
	UQ																								
	LQ																								
h'F	MEQ	280	270	268	245	235	250	240	240	230	228	225	225	225	220	225	240	240	260	295	368	350	330	318	300
	CNT	27	28	28	28	27	25	28	28	26	26	24	19	15	20	23	28	28	28	28	26	27	27	28	29
	UQ																								
	LQ																								
(M3000)F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ						145	225	300	350	U 375	400	U 420	420	U 400	U 370	350	340	245	165					
	CNT						11	25	23	5	7	7	1	6	5	7	11	26	26	16					
h'E	MED							115	105	100	100	100	100	105	100	100	100	102	110						
	CNT							21	21	24	25	23	13	13	19	24	26	28	24						
foEs	MEQ	E									G	G	G	G	G	G	G	G				E	E	E	E
	CNT	28	21 28	21 27	24 28	23 27	24 27	24 28	30 26	23	26	21	16	12	17	23	26	27	26 29	24 29	24 28	28	28	28	29

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

APRIL, 1957

TABLE 79

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	148	138	120	101	78	64	82	111	130	139	147	152	155	156	155	157	155	153	140	135	134	138	140	148
	CNT	30	29	29	29	30	30	30	28	28	28	27	28	30	29	28	29	29	29	30	28	30	27	23	26
	UQ																								
	LQ																								
h'F2	MEQ								1	275	320	380	410	420	445	450	440	445							
	CNT									11	23	25	29	30	28	28	28	28	3						
	UQ																								
	LQ																								
h'F	MEQ	300	275	255	240	230	250	270	245	235	235	215	210	210	210	210	220	235	250	250	390	440	420	380	345
	CNT	30	30	29	30	30	30	30	28	25	14	18	18	14	15	12	15	26	30	30	29	29	30	30	30
	UQ																								
	LQ																								
(M3000)F2	MEQ	260	265	270	280	280	265	275	295	285	280	250	250	250	240	235	240	235	230	220	210	210	225	235	250
	CNT	30	28	27	27	26	26	29	21	26	24	22	28	30	28	27	29	27	28	26	25	27	22	19	20
	UQ																								
	LQ																								
foF1	MEQ								1	505	520	525	535	535	530	530	515	505							
	CNT									9	16	21	24	20	18	23	20	15	2						
foE	MEQ							180	U 290	350	U 390	U 400	410	U 415	420	U 400	380	350	285	200					
	CNT							27	6	14	5	8	10	8	6	7	12	19	24	20					
h'E	MEQ							121	U 113	110	U 107	107	107	107	U 107	U 107	109	109	111						
	CNT							9	5	10	5	10	9	10	6	8	12	17	22	2					
foEs	MEQ																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

APRIL, 1957

TABLE 80

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	94	90	98	86	83	79	92	118	134	140	140	138	137	137	140	140	140	140	U 134	U 106	100	105	100	98
	CNT	11	13	18	21	18	16	20	26	26	27	28	28	28	29	29	25	25	14	15	13	11	10	11	11
	UQ																								
	LQ																								
h'F2	MEQ								U 280	U 255	U 260	U 280	285	U 340	420	430	450	460	U 495	U 660					
	CNT								1	2	6	8	10	5	13	13	13	9	4	2					
	UQ																								
	LQ																								
h'F	MEQ	285	270	250	245	235	230	255	250	235	230	225	225	220	215	220	222	235	250	288	400	470	420	360	310
	CNT	30	29	28	28	28	27	26	27	28	28	26	21	17	21	21	22	23	27	28	27	27	28	29	29
	UQ																								
	LQ																								
(M3000)F2	MEQ	U 248	270	260	270	280	288	295	285	270	235	222	220	220	215	218	220	220	220	205	200	U 195	U 220	225	240
	CNT	6	9	13	18	17	14	18	24	25	21	22	22	26	26	26	23	25	13	13	8	7	7	8	9
	UQ																								
	LQ																								
foF1	MED								U 570	U 500	480	580	600	600	750	740	720	760	U 900	U 100					
	CNT								1	3	5	12	19	20	23	24	25	19	3	3					
foE	MEQ							170	275	338	380	410	420	425	420	410	390	340	290	182					
	CNT							7	25	24	22	14	16	14	17	18	17	13	18	10					
h'E	MEQ					E			121	121	121	U 121	U 121	U 125	121	121	121	121		E					
	CNT					8			19	13	7	1	3	3	9	6	11	9	11	9					
foEs	MEQ																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

APRIL, 1957

TABLE 81

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	62	55	47	42	42	55	106	D 120	U 120	120	U 120	120	120	120	120	119	U 115	U 116	U 114	107	101	91	77
	CNT	24	27	28	28	28	27	29	27	16	12	16	22	20	22	20	26	27	29	24	27	27	28	26	26
	UD																								
	LD																								
h'F2	MED									245	250	260	250	U 260	330	330	U 325	U 315							
	CNT									5	11	14	10	2	6	10	2	2							
	UD																								
	LQ																								
h'F	MED	235	240	260	240	260	270	265	240	230	230	220	220	225	220	225	240	240	245	245	240	240	240	240	230
	CNT	24	23	24	12	13	14	27	30	30	28	22	20	19	22	23	22	27	27	28	26	28	29	29	26
	UD																								
	LO																								
(M3000)F2	MED	290	285	290	280	270	270	290	310	U 310	300	300	290	280	270	U 270	270	U 275	U 280	U 285	U 280	U 280	280	285	290
	CNT	24	27	28	28	28	27	28	27	12	8	14	22	15	18	15	22	26	27	23	26	27	27	24	25
	UD																								
	LD																								
foF1	MED										U 520	U 520	530	U 530	U 630	U 620	U 600	U 580							
	CNT										2	2	6	7	9	11	3	2							
foE	MED							140	250	315	355	385	U 400	U 410	U 420	U 395	365	330	265	190					
	CNT							18	30	29	28	21	17	17	14	21	28	27	25	12					
h'E	MED							E	110	105	105	105	105	105	105	105	106	111	113	E					
	CNT							15	8	12	13	19	16	16	18	13	10	13	7	1					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

APRIL, 1957

TABLE 82

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	64	61	56	53	45	54	78	93	116	129	130	130	129	126	124	124	122	U 113	U 87	81	71	69	68
	CNT	30	31	31	31	31	31	31	29	24	30	28	28	26	28	29	31	30	26	14	10	13	18	24	28
	UD																								
	LD																								
h'F2	MED								1	250	250	270	255	270	290	300	290	290							
	CNT									12	18	17	22	20	18	14	17	7	2						
	UD																								
	LQ																								
h'F	MED	E 310	E 315	E 325	E 315	E 290	E 300	260	235	230	230	225	225	225	225	230	235	240	245	240	225	E 230	E 255	E 280	E 300
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UD																								
	LO																								
(M3000)F2	MED	240	250	250	240	250	250	285	305	290	290	280	280	275	280	270	275	270							
	CNT	8	10	14	14	16	20	21	15	8	8	6	9	7	9	6	8	4	1	1			2	1	3
	UD																								
	LD																								
foF1	MED										3	550	470	490	U 630	640	600	U 600							
	CNT											7	7	7	12	10	10	8	2						
foE	MED							180	230	290	330	340	360	370	370	360	340	310	250	180					
	CNT							15	27	31	31	31	28	28	27	31	30	31	31	20					
h'E	MED							E 160	115	105	105	100	100	100	100	100	105	105	115						
	CNT							4	24	31	30	29	27	26	27	30	29	31	30	2					
foEs	MED	E	E	E	E	E	E	E	G	G				G	G	G	G				E	E	E	E	E
	CNT	31	31	31	31	31	31	31	30	30	34	36	36	31	31	31	31	25 31	26 31	19 31	31	31	31	31	31

SWEEP 1.6 MC TO 16.8 MC IN 1 MINUTE.

MARCH, 1957

TABLE 83

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	88	87	87	83	75	68	62	78	102	124	130	136	137	136	134	133	133	134	128	114	98	96	94	90
	CNT	20	20	24	22	25	28	29	28	28	31	29	27	30	27	27	29	29	30	30	28	18	19	22	16
	UQ																								
	LD																								
h'F2	MED								1	235	235	245	2	3	2	2	1	3	1	4	1				
	CNT									7	16	9													
	UD																								
	LD																								
h'F	MED	E 300	E 295	E 300	E 290	E 275	E 270	270	245	235	230	220	220	250	250	235	235	245	250	250	245	E 250	E 280	E 280	E 285
	CNT	29	29	28	29	29	29	28	28	28	31	31	26	31	31	31	31	31	31	30	30	30	30	29	29
	UD																								
	LD																								
(M3000)F2	MED	260	260	260	270	270	260	260	300	310	300	280	280	280	260	260	260	260	270	280	280	270	270	260	270
	CNT	12	13	19	18	22	25	26	27	27	29	23	19	19	18	20	23	27	26	27	23	8	9	8	8
	UD																								
	LD																								
foF1	MED								1	340	440	7	3	1											
	CNT									4	7														
foE	MED								180	270	320	350	360	380	390	390	380	340	300	210					
	CNT								14	27	28	17	12	5	5	6	12	29	30	23					
h'E	MED								125	115	110	105	105	105	105	105	105	110	110	125					
	CNT								7	22	27	23	25	23	28	27	28	29	29	20					
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

MARCH, 1957

TABLE 84

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED							U 80																	
	CNT							1																	
	UD																								
	LD																								
h'F2	MED							U 250		U 262	U 278	U 275	U 375	U 395	U 402	395	395	U 400							
	CNT							1		4	2	3	4	2	12	11	9	1							
	UO																								
	LQ																								
h'F	MED	250	250	238	245	235	265	270	245	230	225	220	210	205	205	225	225	245	260	305	342	312	282	270	255
	CNT	29	29	29	27	25	21	26	26	28	29	29	28	28	29	30	29	30	29	30	30	30	30	29	29
	UD																								
	LD																								
(M3000)F2	MED																								
	CNT																								
	UD																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							180	280	325	U 350	U 370	U 390	U 390	U		U 340	300		U 140					
	CNT							23	24	22	10	7	5	9	6	10	17	28	220 28	17					
h'E	MED							128	120	110	110	110	110	110	110	110	110	115	125						
	CNT							11	24	26	25	27	26	28	26	28	27	28	21						
foEs	MED	E	E	E	200	210	240	250	300	G	G	G	G	G	G	G	G	G			E	E	E	E	E
	CNT	28	28	28	26	25	20	25	24	26	27	28	26	28	28	28	28	28	24 27	22 28	29	29	29	28	28

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

MARCH, 1957

TABLE 85

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	153	149	119	90	72	60	66	112	138	150	154	156	152	155	156	154	152	145	138	133	138	146	149	152
	CNT	29	28	28	29	29	29	31	30	30	31	31	31	31	31	31	31	30	29	31	31	29	30	30	29
	UQ																								
	LO																								
h'F2	MED									265	290	350	395	435	450	440	430	425	425						
	CNT							1		10	21	31	30	31	31	31	30	30	14						
	UQ																								
	LO																								
h'F	MED	260	240	225	215	230	240	270	250	230	220	220	210	210	205	210	220	230	240	280	400	410	375	335	285
	CNT	30	29	29	29	29	29	31	31	30	23	20	22	16	15	14	22	30	30	31	31	31	31	31	31
	UQ																								
	LO																								
(M3000)F2	MED	300	310	295	300	285	280	280	310	305	290	275	255	245	245	250	250	245	240	230	225	225	235	260	275
	CNT	28	28	27	28	28	29	31	27	26	29	27	31	25	29	27	23	29	25	25	23	24	26	22	25
	UQ																								
	LO																								
foF1	MED									U	U														
	CNT							1		500	510	520	530	535	530	520	515	510	3						
										5	24	25	24	21	18	17	20	11							
foE	MED							U			U														
	CNT							155	4	315	385	400	410	420	420	405	380	340	280	195					
								25		12	5	16	18	14	14	12	11	19	10	13					
h'E	MED							E																	
	CNT							4	3	109		107	107	107	107	107	109	109	111						
										10	3	13	16	14	11	10	5	14	9	3					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

MARCH, 1957

TABLE 86

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U						U		0	U	U	U	U	U	U	U	0	0	U	U	U	U	U
	CNT	100	100	90	84	77	70	70	106	134	124	140	136	133	133	140	140	138	112	106	100	97	94	97	100
	UQ	19	20	25	24	24	25	24	25	12	30	14	20	24	23	17	8	6	29	30	30	13	12	11	10
	LO																								
h'F2	MED										U	U	U	U	U	U	U	U							
	CNT										250	290	300	340	375	528	540	582							
	UQ										1	2	2	4	2	2	2	2							
	LO																								
h'F	MED	260	245	240	240	245	240	250	260	245	232	225	220	220	220	220	230	240	260	298	420	440	382	330	280
	CNT	30	30	30	30	28	27	29	30	30	30	29	29	27	30	30	28	30	29	30	30	17	22	22	27
	UQ																								
	LO																								
(M3000)F2	MED	U	U								U	U	U	U		U	U	U	U	U	U	U	U	U	U
	CNT	282	273	279	271	280	294	288	290	274	260	234	218	214	215	213	211	210	203	194	187	193	222	225	255
	UQ	10	10	19	23	'21	22	23	15	11	5	9	20	24	20	12	6	4	2	3	22	10	6	5	5
	LO																								
foF1	MED										U	U	U	U		U	U	U							
	CNT										450	520	600	580	580	550	800	690							
											1	3	5	6	5	5	5	3							
foE	MED						E	E	U					U	U		U			E	E				
	CNT						31	31	265	330	370	400	420	420	420	405	390	350	290	11	31				
									26	22	13	13	15	13	14	17	17	16	13						
h'E	MED						E	E								E	E								
	CNT						31	31	125	121	121	121	121	121	121	121	121	121	121	9	30				
									17	18	10	5	3	8	7	7	11	14	11						
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

MARCH, 1957

TABLE 87

TANANARIVE, MADAGASCAR (18.85, 47.5E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	72	61	53	50	46	57	100	120	125	125	125	125	130	130	125	120	120	119	116	115	109	94	85
	CNT	28	27	26	28	28	28	29	30	30	24	24	23	24	17	13	25	29	30	30	31	29	30	30	28
	UQ																								
	LO																								
h'F2	MED									250	260	260		3	2	2	4	3	1						
	CNT									13	11	12	2												
	UQ																								
	LO																								
h'F	MED	250	240	220	240	260	260	270	240	230	220	220	220	215	220	220	225	235	240	250	250	245	240	245	250
	CNT	17	22	23	24	23	25	27	30	30	21	18	17	10	13	18	24	24	26	27	25	23	25	21	22
	UQ																								
	LO																								
(M3000)F2	MED	275	280	285	270	265	270	280	300	285	280	270	260	255	265	260	250	250	255	265	265	265	265	265	270
	CNT	23	21	23	24	22	21	26	28	23	15	14	15	5	5	5	7	20	28	28	25	24	26	25	25
	UQ																								
	LO																								
foF1	MED											550		600	595	610	610	595							
	CNT										5	11	4	5	4	5	9	6	1						
foE	MED							150	260	325	365	395	410	420	U	410	390	355	295	200					
	CNT							27	30	31	25	14	9	8	420	12	26	31	31	16					
															8										
h'E	MED							E					105		105	105	107	109	111	113					
	CNT							3	2	2	1	2	6	5	6	7	10	20	24	8					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

MARCH, 1957

TABLE 88

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	53	52	50	47	46	40	39	62	U	114	126	130	U	130	130	126	123	U	U	80	U	U	62	57
	CNT	27	27	27	25	26	26	26	26	86	27	27	27	130	27	27	28	28	120	86	28	70	68	27	27
	UQ									26				27					28	28		27	28		
	LO																								
h'F2	MED									U															
	CNT									248	232	240	240	240	230	255	250	250							
	UQ									2	12	17	12	12	12	11	6	5							
	LO																								
h'F	MED	E	E	E	E	E	E	E		225	225	225	225	225	225	225	230	230	230	225	220	230	E	E	E
	CNT	300	320	322	310	295	280	262	240	26	27	27	27	27	27	27	28	28	28	28	28	27	250	272	278
	UQ	28	27	26	26	26	26	26	26	225	225	225	225	225	225	225	230	230	230	225	220	230	28	28	28
	LO									26	27	27	27	27	27	27	28	28	28	28	28	27	28	28	28
(M3000)F2	MED	270	260	265	260	240	270	270	300	U	320	U	310	U	300	300	305	U			U	285	290	250	270
	CNT	11	7	10	12	7	14	14	14	300	7	295	7	300	8	7	7	300			275	9	6	5	10
	UQ									4		4		3				2			1				
	LO																								
foF1	MED									U	U	U	U	U	U	U		U							
	CNT									330	380	450	480	480	620	500		290							
										1	1	3	1	1	1	1		1							
foE	MED								180	230	290	320	340	350	350	330	300	255	200						
	CNT								9	24	26	26	27	26	26	26	28	28	14						
h'E	MED								E	E	110	105	105	105	105	105	110	115	E						
	CNT								120	115	22	24	26	26	23	26	27	27	115						
									2	21									6						
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 16.8 MC IN 1 MINUTE.

FEBRUARY, 1957

TABLE 89

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	73	70	69	65	60	52	44	57	94	114	125	130	127	125	122	126	123	120	114	97	84	84	83	78
	CNT	21	21	25	24	22	18	21	19	22	23	12	9	9	13	16	20	23	25	21	18	21	24	21	21
	UQ																								
	LQ																								
h'F2	MED									U				U			U	U	U						
	CNT									245	235	245	255	245	245	240	260	240	248						
	UQ									1	7	11	7	3	5	5	2	3	2						
	LQ																								
h'F	MED	E	E	E	E	E	E	E													E	E	E	E	E
	CNT	270	280	280	280	255	265	275	270	235	235	230	230	225	225	230	230	240	245	240	240	250	260	265	270
	UQ	26	26	26	26	25	26	25	22	23	25	24	25	20	21	22	26	24	26	25	26	24	26	26	26
	LQ																								
(M3000)F2	MED	270	280	275	280	290	270	275	290	330	320	305	295	290	285	280	280	285	290	300	290	285	285	280	285
	CNT	17	14	20	21	16	12	12	12	19	16	9	6	8	11	11	20	20	21	14	8	15	20	17	17
	UQ																								
	LQ																								
foF1	MED									U	U	U	U	U	U	U		U	U						
	CNT									260	360	420	440	430	480	440		390	300						
	UQ									1	3	3	3	1	1	3		3	1						
	LQ																								
foE	MED									210	295	340	360	370	370	360	350	320	260	U					
	CNT									18	21	20	20	16	18	19	21	21	25	170					
	UQ																			2					
	LQ																								
h'E	MED									135	125	112	110	115	115	110	115	115	120						
	CNT									12	15	16	21	17	21	21	25	22	26						
	UQ																								
	LQ																								
foEs	MED																								
	CNT																								
	UQ																								
	LQ																								

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

FEBRUARY, 1957

TABLE 90

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				45	U			Q		U														
	CNT				11	34	35	50	86		120														
	UQ					10	11	5	1		1														
	LQ																								
h'F2	MED									U	U	U	U	U				U							
	CNT									260	245	275	325	350	338	350	332	325							
	UQ									2	3	1	1	4	6	13	8	1							
	LQ																								
h'F	MED	225	225	225	218	240	275	275	245	230	225	220	215	215	215	225	225	235	252	275	290	265	245	235	225
	CNT	26	26	26	24	24	21	21	22	25	27	27	27	27	28	28	28	27	28	28	27	28	28	28	27
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED					U	U	U			U	U		U	U	U		U		U					
	CNT					120	130	130	240	310	330	350	370	370	370	350	325	290	210	120					
	UQ					2	4	20	22	24	17	18	12	11	11	14	19	26	19	12					
	LQ																								
h'E	MED								120	105	105	105	105	105	102	105	105	110	120						
	CNT								22	21	23	25	26	26	28	26	28	26	17						
	UQ																								
	LQ																								
foEs	MED	E										G	G	G	G	G	G								E
	CNT	26	22	21	24	22	24	24	30	32	32	27	25	27	28	27	28	31	29	24	24	23	E	24	26
	UQ		26	25	24	24	21	21	22	25	27		27					27	27	28	27	27	27	27	
	LQ																								

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

FEBRUARY, 1957

TABLE 91

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	154	143	110	73	59	51	50	104	136	154	155	156	154	154	155	152	152	148	139	134	144	145	150	152
	CNT	28	28	28	27	28	28	28	27	28	28	28	27	28	26	27	28	28	27	28	27	27	27	26	27
	UQ																								
	LQ																								
h'F2	MED								2	265	280	315	360	380	380	380	385	370	380						
	CNT									7	24	27	28	28	27	28	28	26	18	5					
	UQ																								
	LQ																								
h'F	MED	235	220	210	210	230	250	260	250	235	220	215	210	215	210	215	220	230	240	270	350	350	320	290	255
	CNT	28	28	28	28	28	28	28	28	28	28	25	26	23	18	24	27	28	26	27	28	28	28	28	28
	UQ																								
	LQ																								
(M3000)F2	MED	310	320	310	300	280	280	280	300	305	300	290	265	255	260	260	260	260	260	250	230	240	260	280	300
	CNT	28	27	27	27	27	28	28	26	27	28	26	27	26	24	26	28	28	25	23	23	23	22	24	26
	UQ																								
	LQ																								
foF1	MED								1	2	505	515	525	530	525	520	510	500		1	1				
	CNT										22	26	26	28	24	25	24	13							
foE	MED							130	240	310	365	390	410	415	415	400	380	340	280	190					
	CNT							20	11	14	22	17	15	9	12	19	15	18	11	7					
h'E	MED							E			109	107	107	108	107	108	109	109	113	3					
	CNT							20	5	5	8	9	7	8	10	8	7	9	10						
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES, AUTOMATIC OPERATION.

FEBRUARY, 1957

TABLE 92

QUIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	0															0	0	0	0	0	U	U	0	0
	CNT	106	100	91	80	71	58	43	89	114	116	120	120	120	122	122	117	115	108	106	116	104	102	106	106
	UQ	17	19	21	25	23	24	27	27	21	20	22	26	24	23	22	26	28	28	28	13	9	8	12	15
	LQ																								
h'F2	MED							U			U		U	U	U	U		U				U	U	U	U
	CNT							365			315	320	300	275	420	415	418	410				275	224	254	250
	UQ							1			2	7	1	1	3	7	12	11	7			1	4	2	2
	LQ																								
h'F	MED	248	240	238	230	230	225	230	260	240	230	220	218	220	215	220	225	240	258	290	375	375	320	275	268
	CNT	28	28	28	27	28	27	27	28	28	27	27	22	23	21	24	25	27	28	28	28	15	17	23	28
	UQ																								
	LQ																								
(M3000)F2	MED	U	U								U									U		U	U	U	U
	CNT	276	295	304	306	308	322	321	297	260	242	233	226	226	222	230	241			223	198	210	224	254	250
	UQ	4	8	16	24	20	23	25	23	10	7	17	18	16	14	4	3			1	9	5	4	2	2
	LQ																								
foF1	MED							U					U			U		U							
	CNT							190				520	535	565	650	700	695	700							
	UQ							1				5	4	6	5	3	8	3							
foE	MED								220	310	360	390	400	410	405	390	370	340	280	170					
	CNT								19	23	20	21	14	14	24	24	24	18	16	8					
h'E	MED								131	121	121	121	U 121	121	121	119	121	121	121	E					
	CNT								16	20	13	7	4	7	15	20	18	14	9	14					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

FEBRUARY, 1957

TABLE 93

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	72	68	61	54	50	46	59	82	97	105	108	110	U 115	U 115	115	110	108	104	105	103	97	92	86	82
	CNT	26	26	27	25	24	25	27	28	24	23	19	10	8	8	11	19	21	25	26	26	23	26	25	25
	UQ																								
	LO																								
h'F2	MED									290	300	335	350	355	370	370	370	350	340						
	CNT								3	10	14	12	11	15	20	21	20	20	13	2					
	UQ																								
	LO																								
h'F	MED	245	240	240	250	260	280	265	240	230	220	210	210	U 210	215	220	220	225	240	250	250	250	255	265	250
	CNT	22	26	23	21	23	22	27	27	25	22	9	12	7	13	16	18	21	20	24	24	23	25	23	24
	UQ																								
	LO																								
(M3000)F2	MED	275	275	270	270	260	255	295	300	280	270	240				U 255	250	260	270	270	275	270	270	270	275
	CNT	22	24	27	25	24	24	27	28	25	20	11	6	4	3	8	17	16	19	23	20	19	24	20	21
	UQ																								
	LQ																								
foF1	MED										540	580	590	620	610	620	595	580	U 530						
	CNT								2	6	10	14	14	13	18	21	22	21	7						
foE	MED							190	275	335	375	400	415	420	420	415	400	365	315	230					
	CNT							23	28	27	26	21	11	13	12	15	19	28	28	21	6				
h'E	MED							131	U 109	109	107	U 105	105	105	105	105	105	105	109	111					
	CNT							10	7	9	9	8	10	12	12	14	17	20	21	13					
foEs	MED																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

FEBRUARY, 1957

TABLE 94

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	47	46	45	40	38	39	48	84	110	U 125	130	U 128	124	124	120	D 86	O 86	U 81	U 70	58	51	48	48
	CNT	30	30	30	30	30	30	31	31	30	30	31	31	31	30	31	31	30	30	31	31	31	31	31	31
	UQ																								
	LO																								
h'F2	MED									U 250	245	250	250	250	250	250	252	U 250	U 250						
	CNT									2	7	18	13	13	13	15	10	1	1						
	UQ																								
	LO																								
h'F	MED	E 292	E 300	E 310	E 295	E 275	E 275	E 275	235	220	220	225	230	225	225	235	235	225	220	225	225	E 230	E 255	E 300	E 300
	CNT	30	31	31	30	30	29	31	31	31	31	31	31	31	31	31	29	30	30	31	31	31	31	31	31
	UQ																								
	LO																								
(M3000)F2	MED	265	270	270	275	280	275	270	285	325	U 320	U 300	300	U 295	310	U 275	U 290		U 300	U 280	U 305	290	275	260	270
	CNT	15	18	16	16	12	13	13	14	8	2	3	9	4	8	3	4		1	1	2	13	13	17	15
	UQ																								
	LQ																								
foF1	MED										U 370	U 450	U 480	U 620	U 550	U 480	U 460								
	CNT										1	3	4	1	1	4	4								
foE	MED								U 170	220	260	310	330	330	330	310	280	220	180						
	CNT								1	31	31	31	31	30	30	29	30	24	9						
h'E	MED									145	110	110	105	105	105	110	110	120							
	CNT									19	31	31	30	29	29	26	28	17							
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 16.8 MC IN 1 MINUTE.

JANUARY, 1957

TABLE 95

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	71	70	64	59	48	42	41	49	90	113	116	117	117	116	113	111	110	108	90	85	83	83	79	76
	CNT	25	22	27	25	25	27	27	27	28	27	25	25	26	28	30	29	28	26	19	28	22	24	24	20
	UQ																								
	LQ																								
h'F2	MED										250	250	242	245	275	290	310	U 250							
	CNT										5	10	8	9	9	8	7	2							
	UQ																								
	LO																								
h'F	MED	270	260	255	255	250	250	300	280	245	235	240	230	230	235	240	240	250	248	240	250	265	255	255	265
	CNT	29	28	29	29	29	29	29	29	29	30	29	30	27	28	29	29	30	30	29	30	29	29	29	29
	UQ																								
	LQ																								
(M3000)F2	MED	280	290	280	290	290	260	265	285	325	330	315	295	285	280	270	275	280	285	290	275	270	275	280	270
	CNT	21	16	22	17	20	24	24	22	23	19	24	23	23	25	28	27	25	18	9	22	15	15	11	13
	UQ																								
	LQ																								
foF1	MED												U 460	U 440	U 580	530	U 400	U 400							
	CNT												4	4	2	8	2	2							
foE	MED									190	285	330	350	360	370	360	340	305	230						
	CNT									17	29	26	27	26	21	22	27	29	28						
h'E	MED									135	120	115	115	115	115	115	120	120	125						
	CNT									5	27	26	28	28	28	28	30	26	20						
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

JANUARY, 1957

TABLE 96

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	0 154	U 122	U 49	U 43	U 45	36	U 46	U 82			U 124		U 140	U 136										
	CNT	2	1	1	5	9	12	12	4			2		4	2										
	UQ																								
	LO																								
h'F2	MED								U 275	275	275	258	275	355	375	365	375	U 355							
	CNT								1	9	8	12	9	11	17	11	10	4							
	UO																								
	LO																								
h'F	MED	225	222	205	202	250	255	285	250	240	225	225	215	220	220	225	230	248	260	265	298	275	240	225	225
	CNT	31	30	30	30	29	28	29	29	28	30	31	28	26	29	29	30	31	31	31	30	31	31	31	31
	UO																								
	LO																								
(M3000)F2	MED																								
	CNT																								
	UO																								
	LO																								
foF1	MED													U 670	U 700	U 610	U 650								
	CNT													1	2	2	1								
foE	MED	U 120	U 105		U 115	U 110	U 110	U 130	230	300	U 330	U 350	U 370	370	U 370	U 350	325	285	190	U 100					
	CNT	1	1		1	3	5	24	28	26	20	20	18	15	19	21	29	30	30	2					
h'E	MED								120	105	100	100	100	100	100	100	105	115	125						
	CNT								26	26	28	28	24	26	24	26	28	27	11						
foEs	MED	24	24	24	24	24	24	25	32	33	25	G	G	G		32	32	33	26	30	25	25	25	25	24
	CNT	31	30	30	30	30	30	29	29	28	29	30	25	27	27	28	30	31	31	31	30	31	31	31	31

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

JANUARY, 1957

TABLE 97

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	126	117	112	90	73	65	60	108	144	151	150	149	148	147	145	143	140	134	129	126	122	124	123	124
	CNT	29	29	28	29	29	30	30	29	31	30	29	31	30	29	30	29	31	31	31	30	26	28	29	31
	UQ																								
	LQ																								
h'F2	MEO										270	320	370	400	420	450	470	470	455						
	CNT									3	23	30	31	30	31	30	31	30	9	1					
	UQ																								
	LQ																								
h'F	MEO	235	220	220	220	240	240	250	260	260	230	225	220	220	220	225	230	245	260	305	380	360	310	270	240
	CNT	31	30	29	29	29	30	30	31	31	30	27	24	22	20	24	27	26	31	31	31	31	31	30	31
	UQ																								
	LQ																								
(M3000)F2	MEO	305	310	300	295	285	300	310	310	310	315	280	275	265	255	245	235	235	240	225	220	240	270	295	290
	CNT	27	27	26	25	24	29	28	25	28	28	22	29	21	22	18	17	20	21	29	20	25	26	27	28
	UQ																								
	LQ																								
foF1	MEO										505	515	520	525	530	515	515	510							
	CNT									1	18	24	28	23	21	22	22	18	6						
foE	MEO							140	230	320	355	390	410	415		400		340	270	175					
	CNT							20	10	9	10	12	9	8	6	8	3	11	8	14					
h'E	MEO							E				109	109	109		109		113							
	CNT							20	117 7	4	5	9	7	6	4	9	2	7	4	2					
foEs	MEO																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

JANUARY, 1957

TABLE 98

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	100	98	94	79	68	57	40	88	114	120	U 130	128	124	127	126	120	116	116	105	100	92	95	U 100	90
	CNT	15	18	17	24	24	24	27	25	20	19	25	12	14	18	19	14	10	10	26	22	18	11	7	15
	UQ																								
	LQ																								
h'F2	MEO										260	310	400	445	475	455	460	440							
	CNT									2	7	8	10	6	16	10	10	7							
	UQ																								
	LQ																								
h'F	MEO	265	250	235	230	230	230	240	270	240	235	225	225	220	215	220	235	345	260	300	380	420	375	340	280
	CNT	26	27	27	27	26	27	27	28	25	24	22	22	18	24	20	23	11	23	25	27	22	22	23	23
	UQ																								
	LQ																								
(M3000)F2	MEO	260	280	285	295	305	315	310	290	275		U 230	220	210	210	215	U 205		U 210	220	195	U 195	U 205		U 220
	CNT	10	11	10	20	20	22	23	24	15	2	5	9	9	17	14	7	5	6	9	15	8	5	5	5
	UQ																								
	LQ																								
foF1	MEO										465	500	600	600	700	700	700	685							
	CNT									2	6	14	17	19	25	24	22	16	2						
foE	MED								205	310	370	400	410	420	405	400	380	345	275						
	CNT								25	23	19	10	9	9	12	12	18	11	9	4					
h'E	MEO								123	121	121		121	121	119	121	121	121	121						
	CNT								14	18	13	4	5	8	7	5	13	10	9	4					
foEs	MEO																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JANUARY, 1957

TABLE 99

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	88	80	75	71	65	57	69	84	96	105	110	110	110	108	110	108	108	102	100	100	98	99	100	98
	CNT	27	28	29	26	28	29	29	28	29	25	22	18	11	17	13	19	25	28	30	30	28	27	28	26
	UQ																								
	LQ																								
h'F2	MEO									U															
	CNT								1	328 6	390 13	395 13	435 11	435 15	435 18	420 17	420 22	410 20	405 15	3					
	UQ																								
	LQ																								
h'F	MEO	260	260	270	280	270	280	270	250	240	235	225	220	220	225	225	230	240	245	270	300	290	290	295	280
	CNT	26	24	21	23	21	24	30	27	27	22	20	22	10	13	13	18	14	19	18	31	23	20	26	27
	UQ																								
	LQ																								
(M3000)F2	MEO	265	255	255	255	255	245	270	270	255	240	240	U 230		235	235	235	235	240	245	250	245	245	245	255
	CNT	25	27	27	25	24	27	28	28	28	26	15	6	4	11	9	14	18	26	29	28	25	22	24	23
	UQ																								
	LQ																								
foF1	MEO									550	595	595	610	610	610	590	580	580	550						
	CNT								2	6	14	15	16	14	17	22	20	17	16	2					
foE	MEO							215	300	355	390	410	420	440	425	415	405	380	330	260	165				
	CNT							27	28	25	19	14	7	7	11	15	17	27	26	28	17				
h'E	MEO							121	111	109	109	109	109	107	107	109	109	111	111	115					
	CNT							11	11	19	13	24	17	15	13	14	16	11	13	10					
foEs	MEO																								
	CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JANUARY, 1957

TABLE 100

TERRE ADELIE (66.7S, 140.0E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	U 69	U 72	68	65	U 72	U 69	70	U 70	U 69	U 69	70	U 66	U 64										U 56	U 64
	CNT	7	6	7	5	11	16	16	18	21	17	19	14	17										5	8
	UQ																								
	LQ																								
h'F2	MEO	500	480	465	475	460	500	500	470	470	445	420	400	405										530	500
	CNT	15	18	18	17	21	23	22	24	26	22	15	10	4										11	12
	UQ																								
	LQ																								
h'F	MEO	225	220	225	210	200	210	220	230	240	250	250	270	280	U 270									235	225
	CNT	16	19	16	19	22	23	22	25	26	26	26	26	25	1									19	17
	UQ																								
	LQ																								
(M3000)F2	MEO	U 230	U 220	240	U 220	U 230	U 240	U 235	U 240	240	245	255	255	250										U 230	U 230
	CNT	1	3	6	2	5	6	9	6	12	11	12	8	13										2	3
	UQ																								
	LQ																								
foF1	MEO	510	500	520	510	520	500	500	500	480	460	400	U 360											460	470
	CNT	13	16	9	17	20	20	20	22	23	16	8	2											15	13
foE	MEO	360		U 380	360	365	365	355	345	310	300	260	240	215	U 180									345	350
	CNT	5		2	4	9	10	16	20	22	21	20	20	15	1									7	6
h'E	MEO	100	100	100	100	100	100	100	100	100	100	110	120	125	U 150									100	100
	CNT	20	17	16	17	22	22	23	23	25	21	20	16	17	1									18	19
foEs	MEO	G	G	G	G	G	G	G	35	31	G		25	30	30	16								G	G
	CNT	23	23	23	23	24	23	23	25	25	24	25	25	26	26	1								21	23

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

JANUARY, 1957

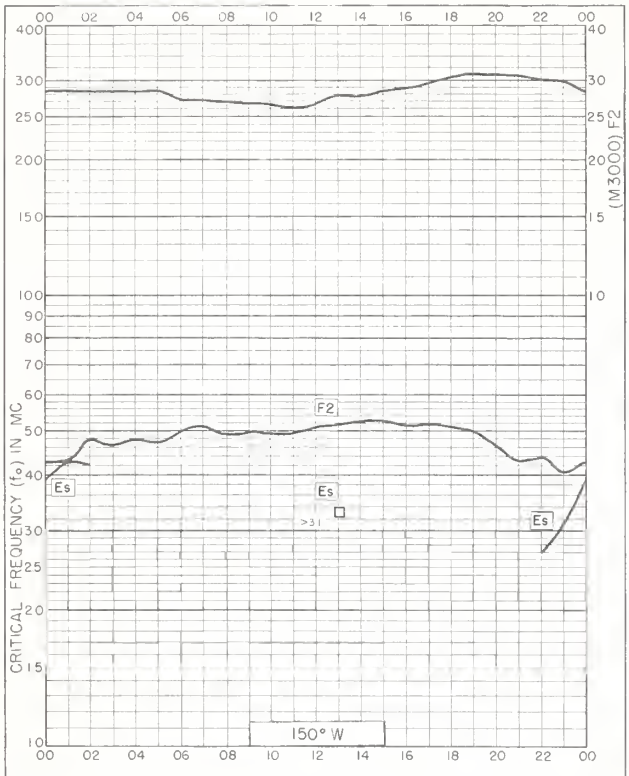


Fig. 1. FAIRBANKS, ALASKA
64.9°N, 147.8°W JULY 1961

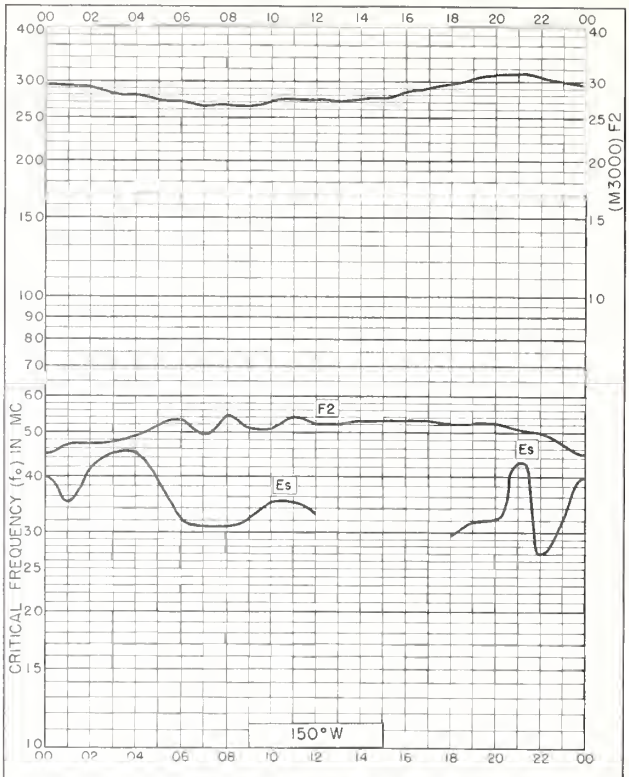


Fig 2. FAIRBANKS, ALASKA
64.9°N, 147.8°W JUNE 1961

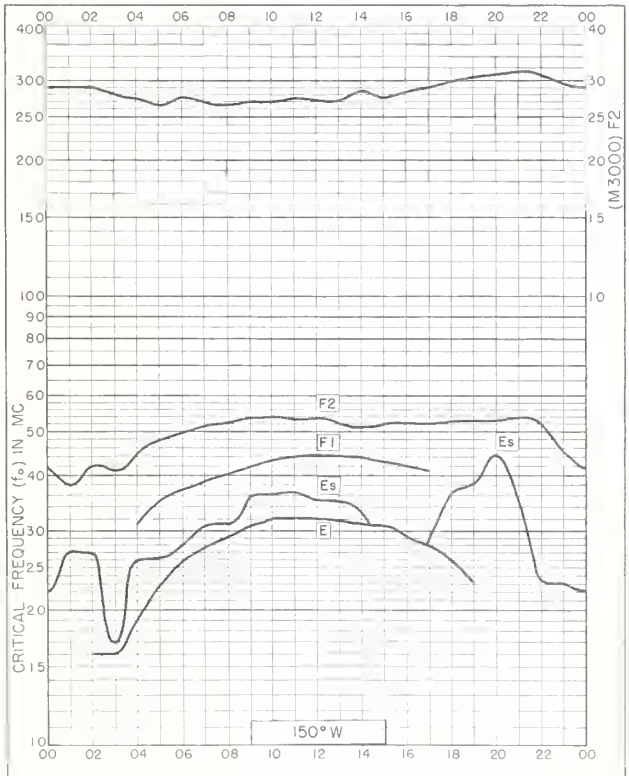


Fig. 3. ANCHORAGE, ALASKA
61.2°N, 149.9°W JUNE 1961



Fig. 4. FAIRBANKS, ALASKA
64.9°N, 147.8°W MAY 1961

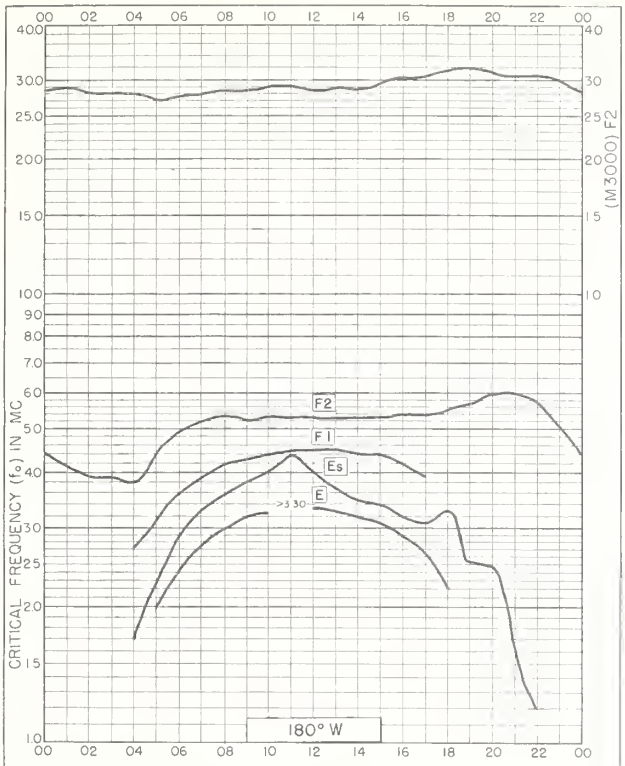


Fig. 5. ADAK, ALASKA
51.9°N, 176.6°W MAY 1961

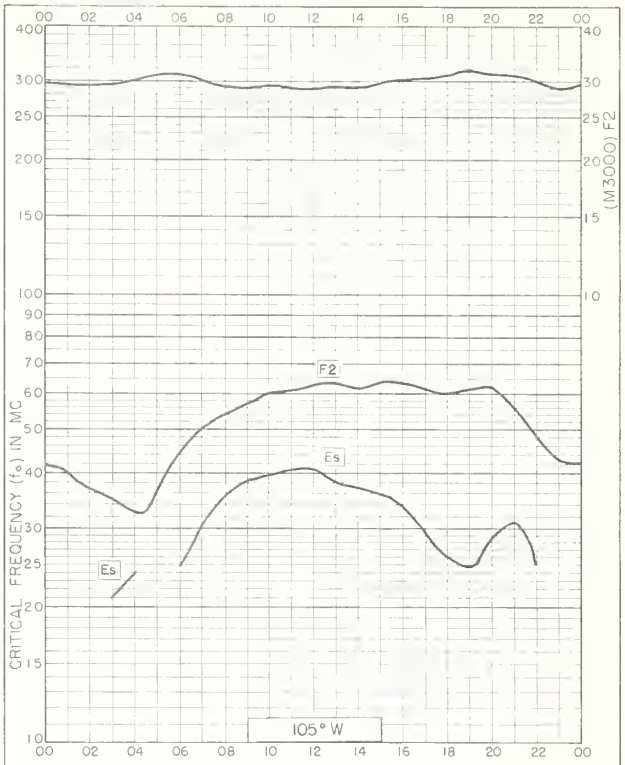


Fig. 6. BOULDER, COLORADO
40.0°N, 105.3°W MAY 1961

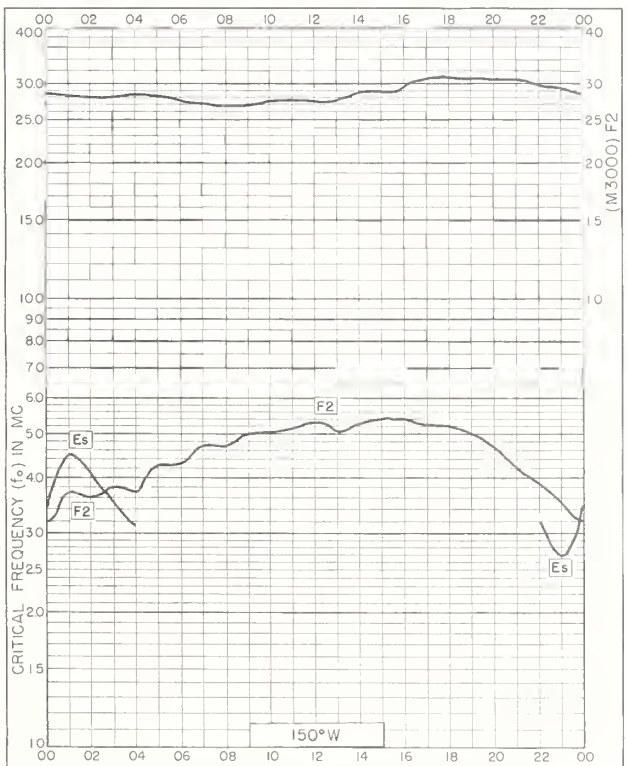


Fig. 7. FAIRBANKS, ALASKA
64.9°N, 147.8°W APRIL 1961

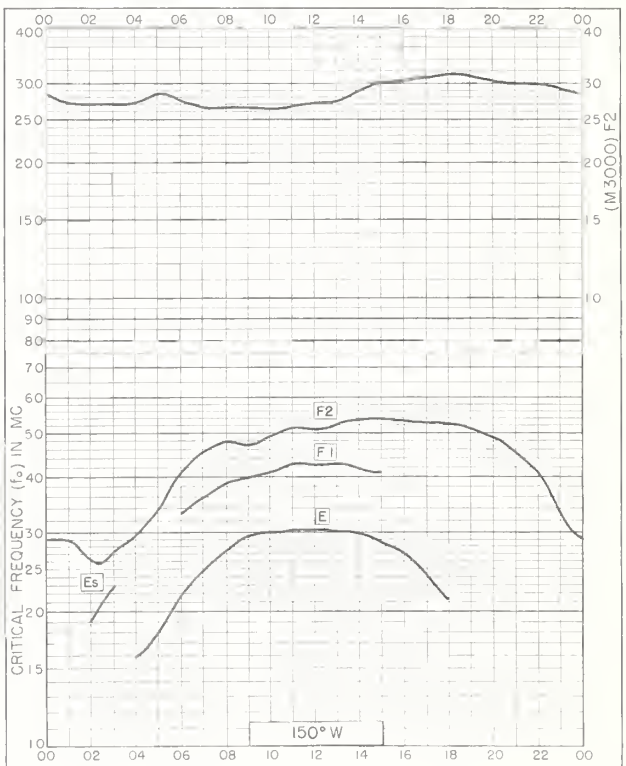


Fig. 8. ANCHORAGE, ALASKA
61.2°N, 149.9°W APRIL 1961

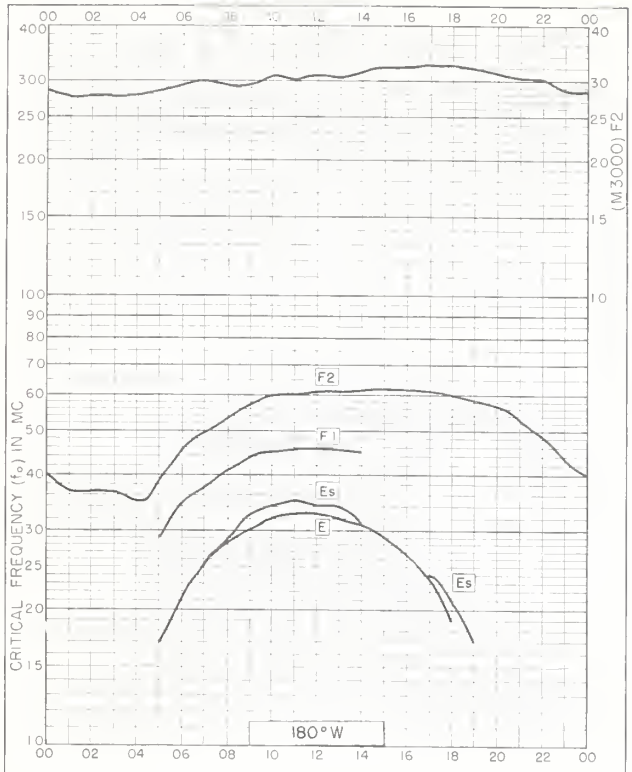


Fig. 9. ADAK, ALASKA
51.9°N, 176.6°W
APRIL 1961

NBS 503

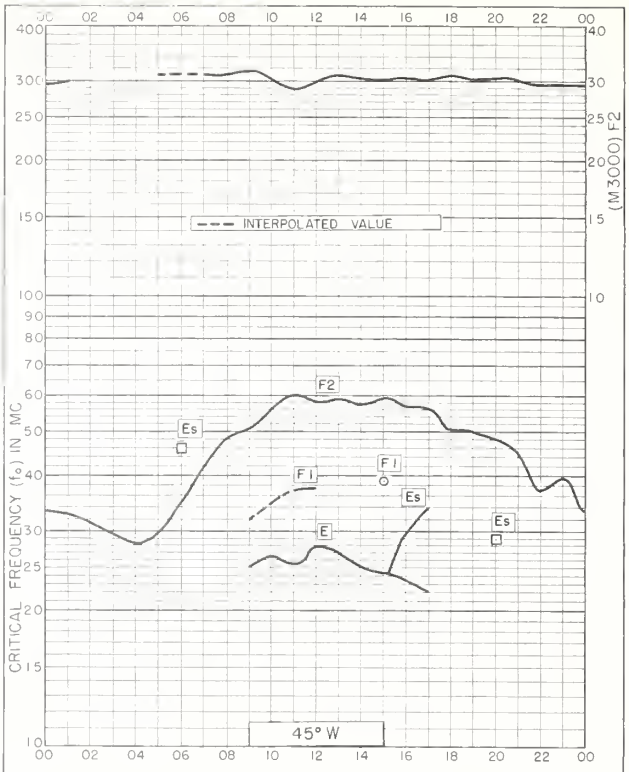


Fig. 10. GODHAVN, GREENLAND
69.3°N, 53.5°W
MARCH 1961

NBS 503

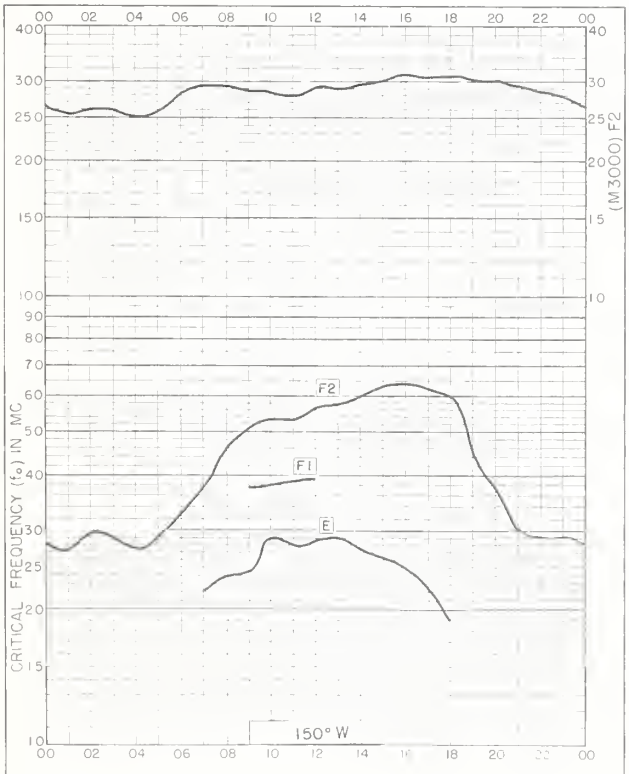


Fig. 11. ANCHORAGE, ALASKA
61.2°N, 149.9°W
MARCH 1961

NBS 503

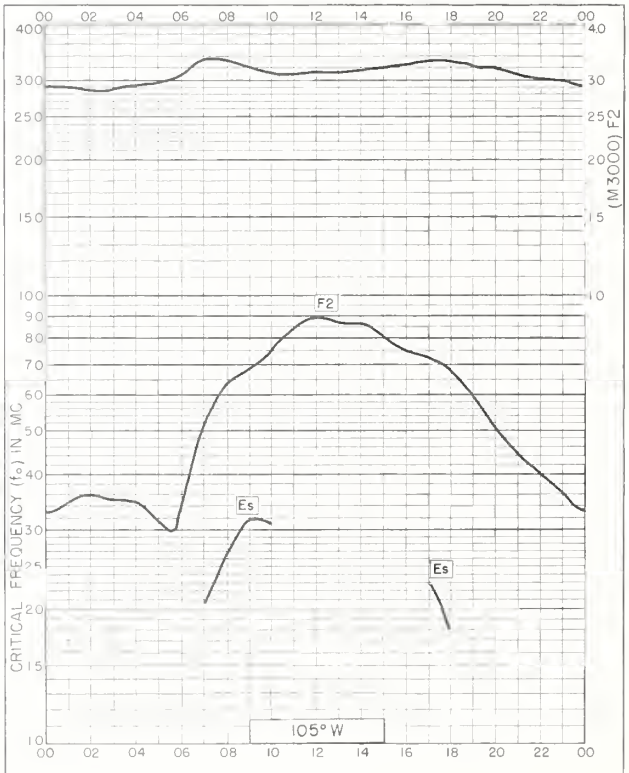


Fig. 12. BOULDER, COLORADO
40.0°N, 105.3°W
MARCH 1961

NBS 503

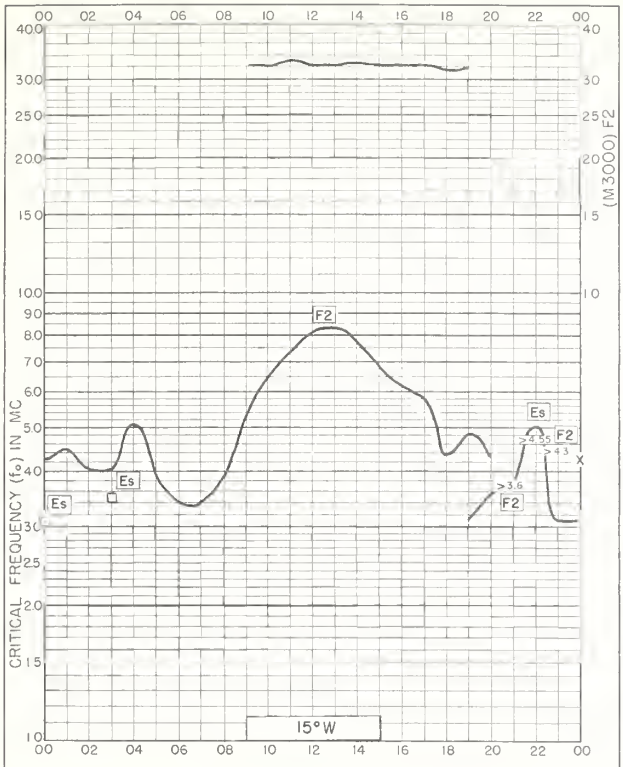


Fig. 13. REYKJAVIK, ICELAND
64.1°N, 21.8°W NOVEMBER 1960

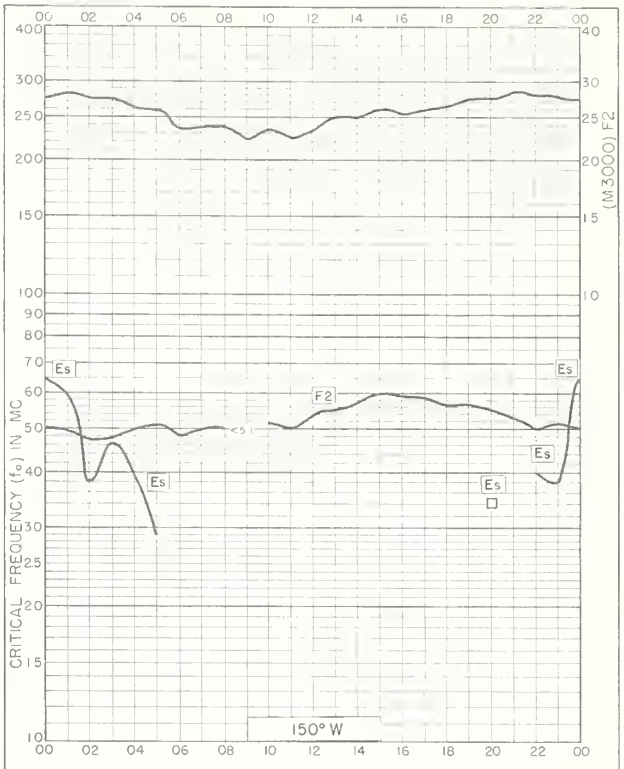


Fig. 14. POINT BARROW, ALASKA
71.3°N, 156.8°W JUNE 1960

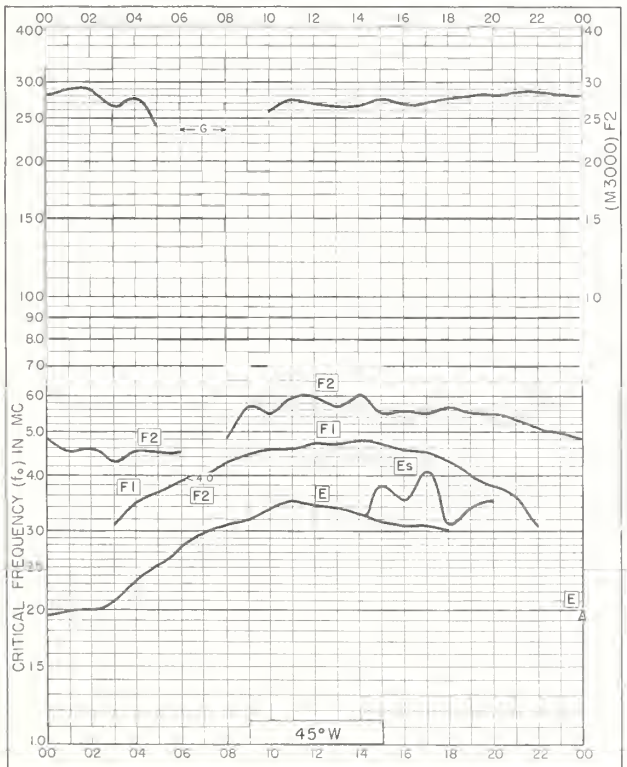


Fig. 15. GODHAVN, GREENLAND
69.3°N, 53.5°W JUNE 1960

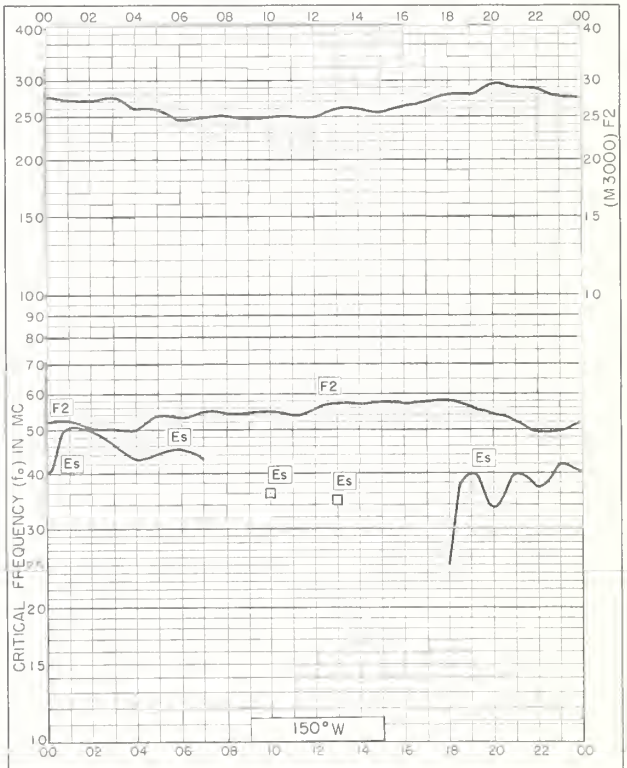


Fig. 16. FAIRBANKS, ALASKA
64.9°N, 147.8°W JUNE 1960

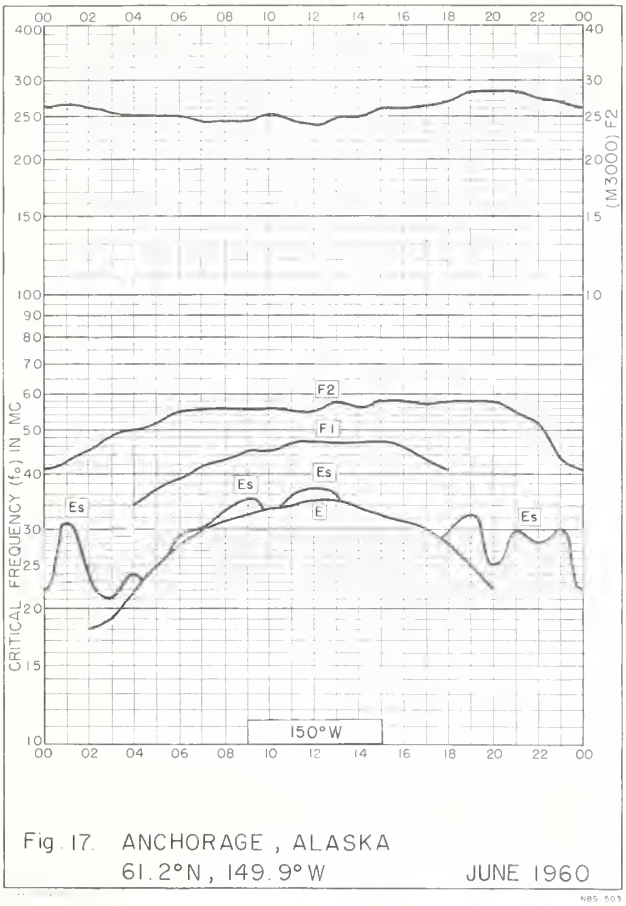


Fig. 17. ANCHORAGE, ALASKA
61.2°N, 149.9°W JUNE 1960

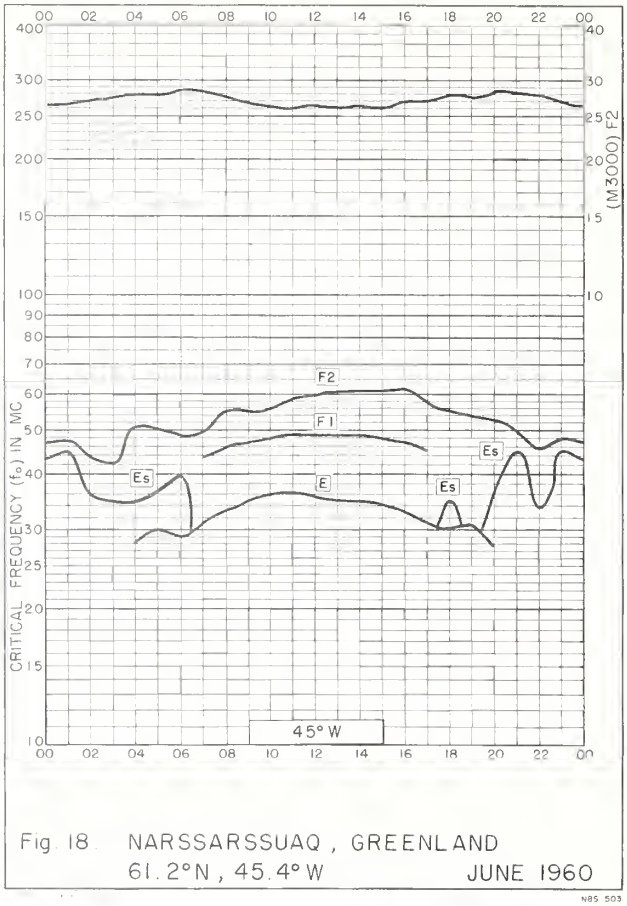


Fig. 18 NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JUNE 1960

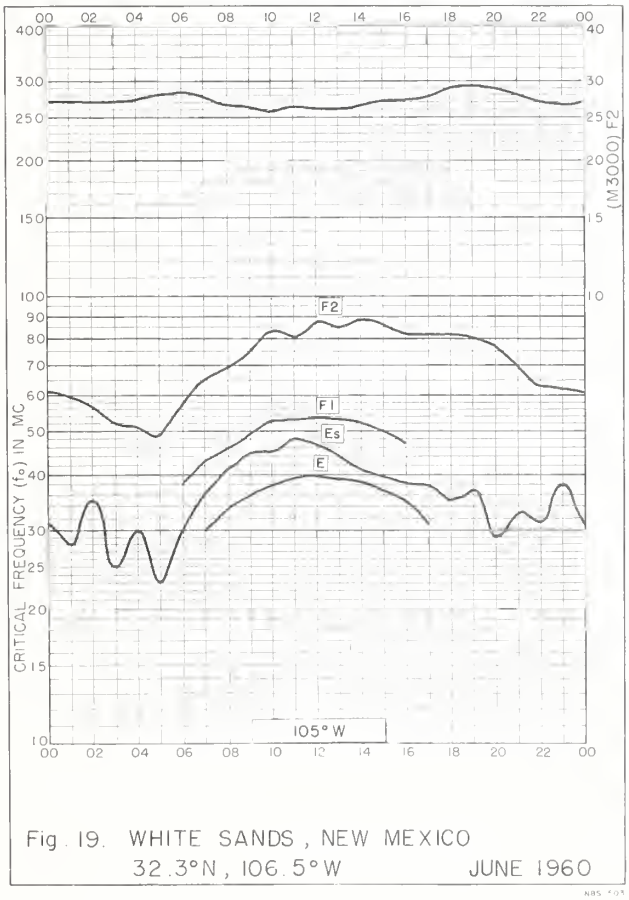


Fig. 19. WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W JUNE 1960

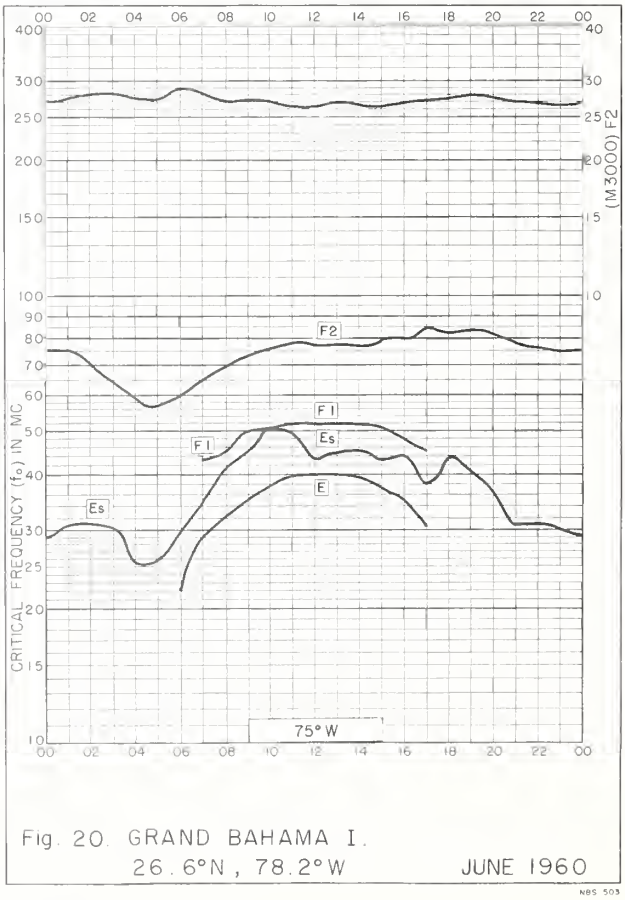


Fig. 20. GRAND BAHAMA I.
26.6°N, 78.2°W JUNE 1960

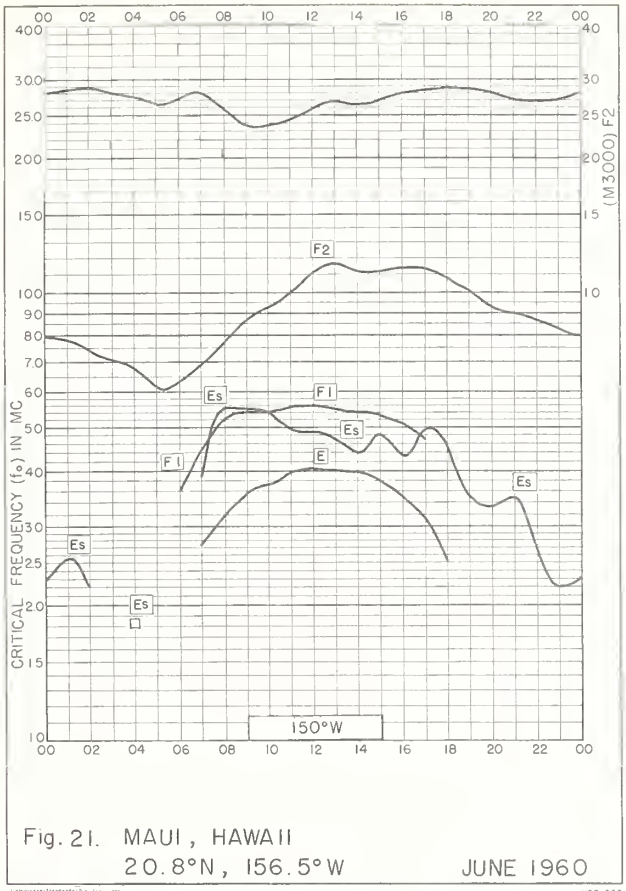


Fig. 21. MAUI, HAWAII
20.8°N, 156.5°W JUNE 1960

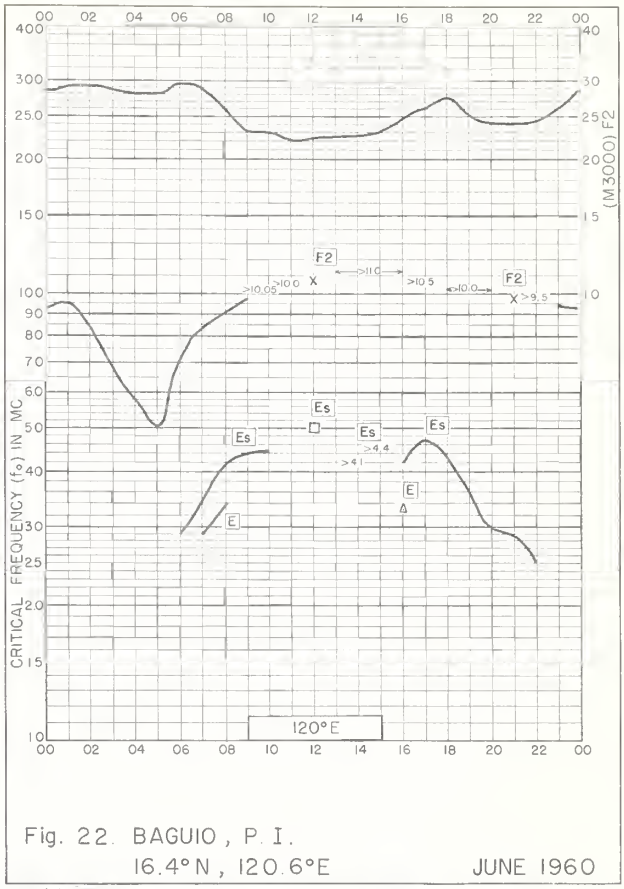


Fig. 22. BAGUIO, P. I.
16.4°N, 120.6°E JUNE 1960

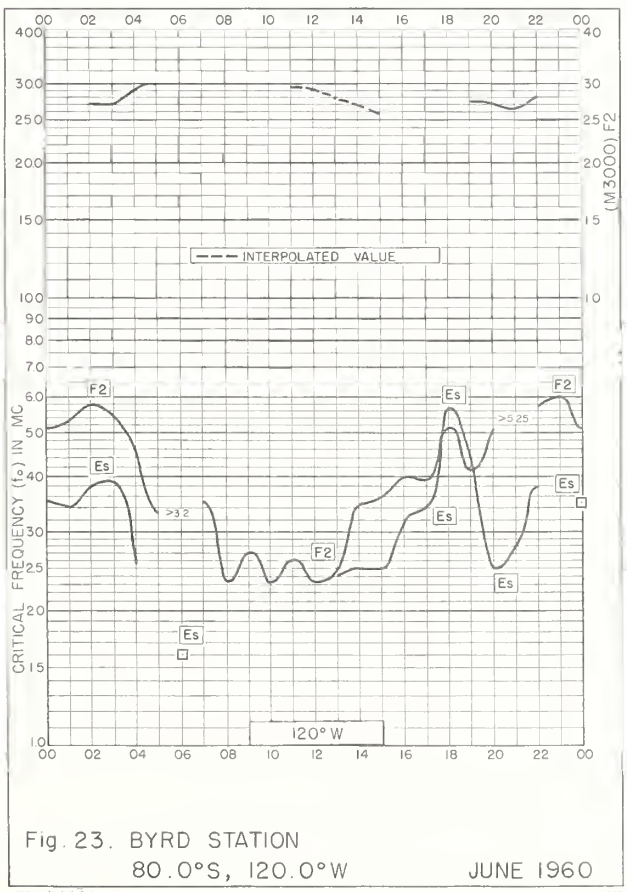


Fig. 23. BYRD STATION
80.0°S, 120.0°W JUNE 1960

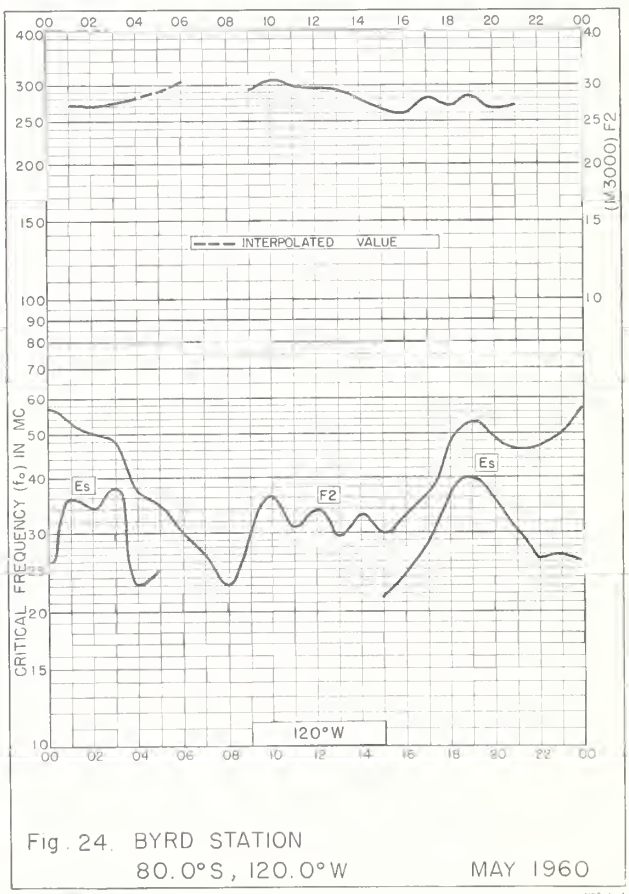


Fig. 24. BYRD STATION
80.0°S, 120.0°W MAY 1960

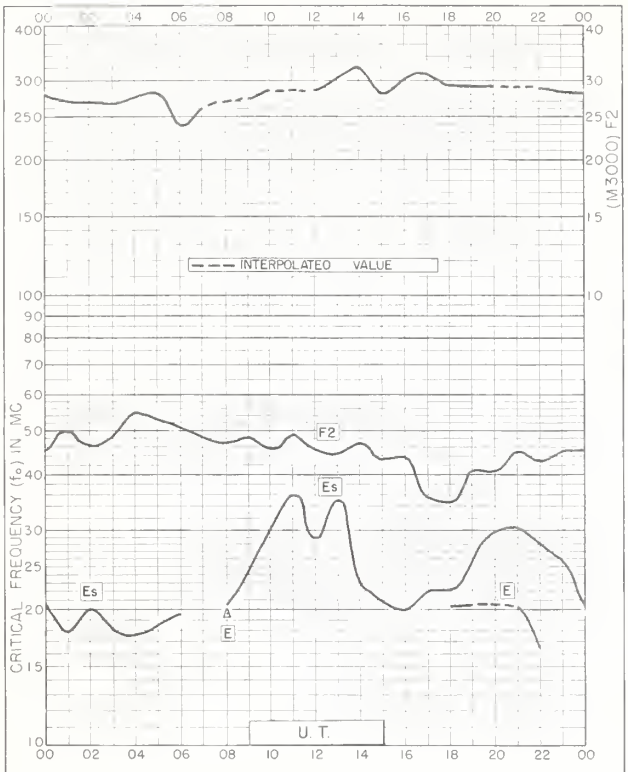


Fig. 25. POLE STATION
90.0°S
MAY 1960

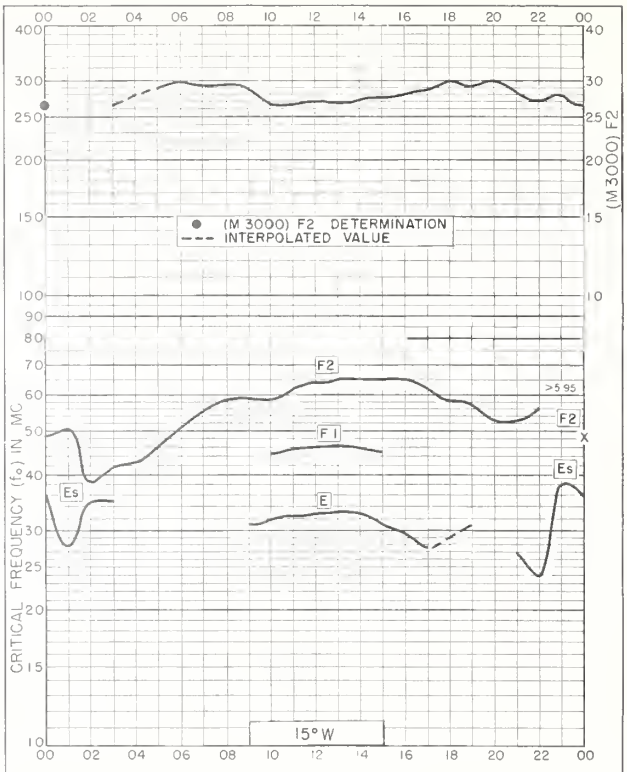


Fig. 26. REYKJAVIK, ICELAND
64.1°N, 21.8°W
APRIL 1960

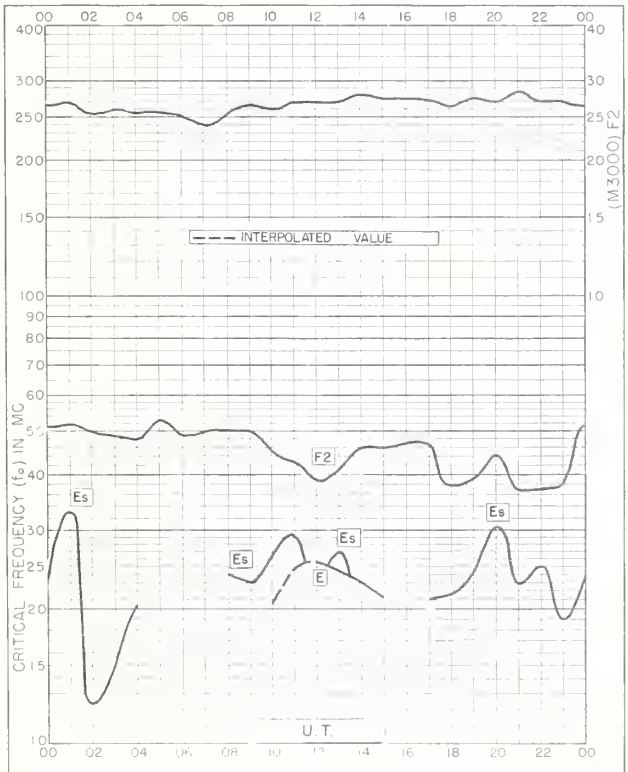


Fig. 27. POLE STATION
90.0°S
APRIL 1960

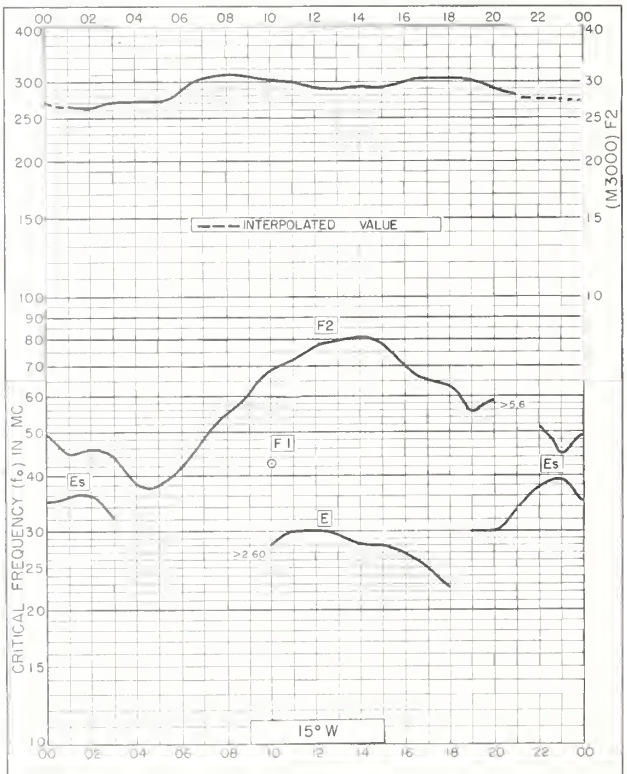


Fig. 28. REYKJAVIK, ICELAND
64.1°N, 21.8°W
MARCH 1960

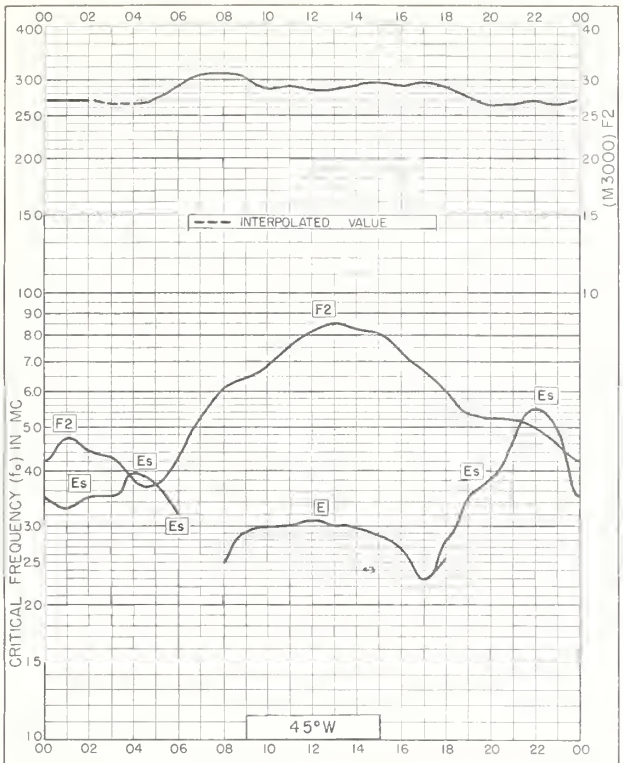


Fig. 29. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W MARCH 1960

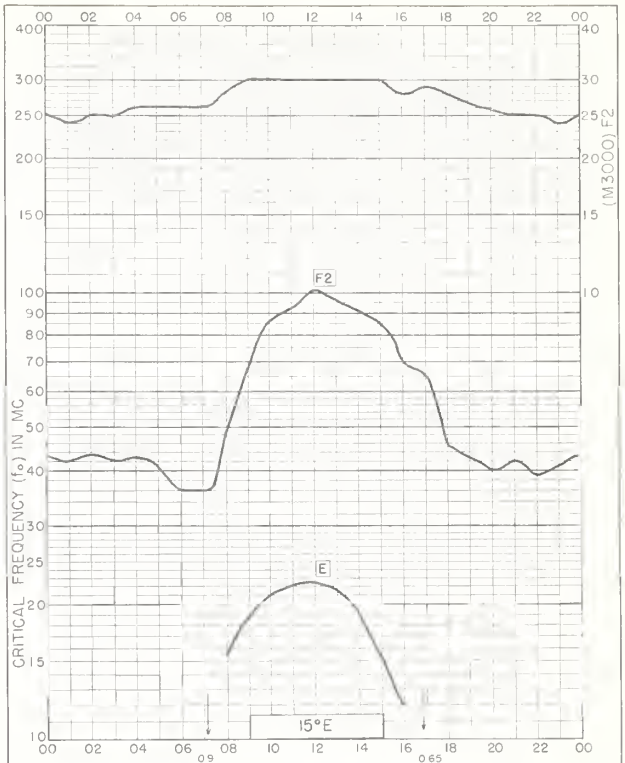


Fig. 30. LYCKSELE, SWEDEN
64.7°N, 18.8°E NOVEMBER 1959

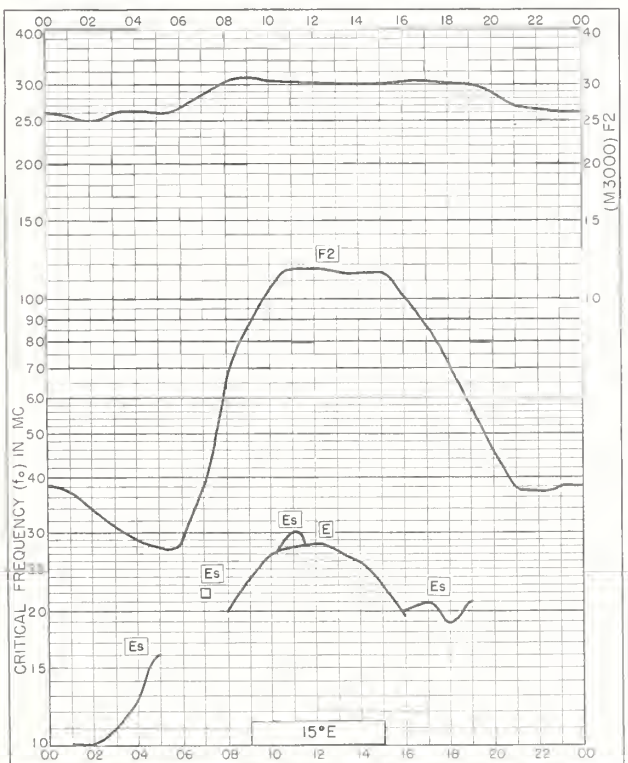


Fig. 31. JULIUSRUH/RÜGEN, GERMANY
54.6°N, 13.4°E NOVEMBER 1959

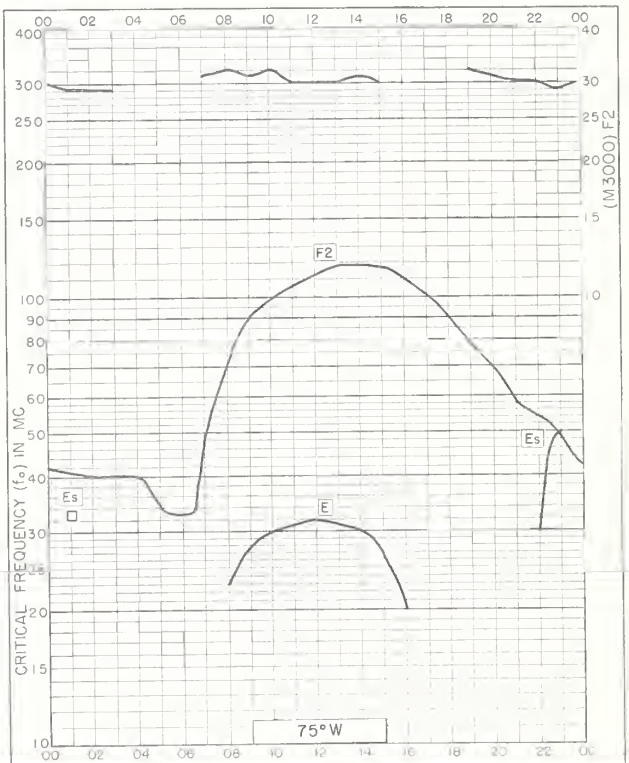


Fig. 32. OTTAWA, CANADA
45.4°N, 75.9°W NOVEMBER 1959

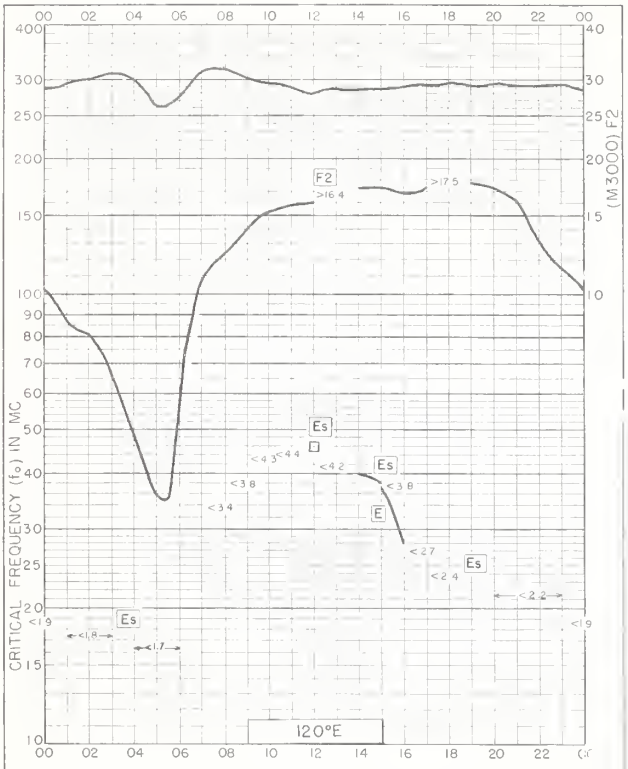


Fig. 33. FORMOSA, CHINA
25.0°N, 121.5°E NOVEMBER 195

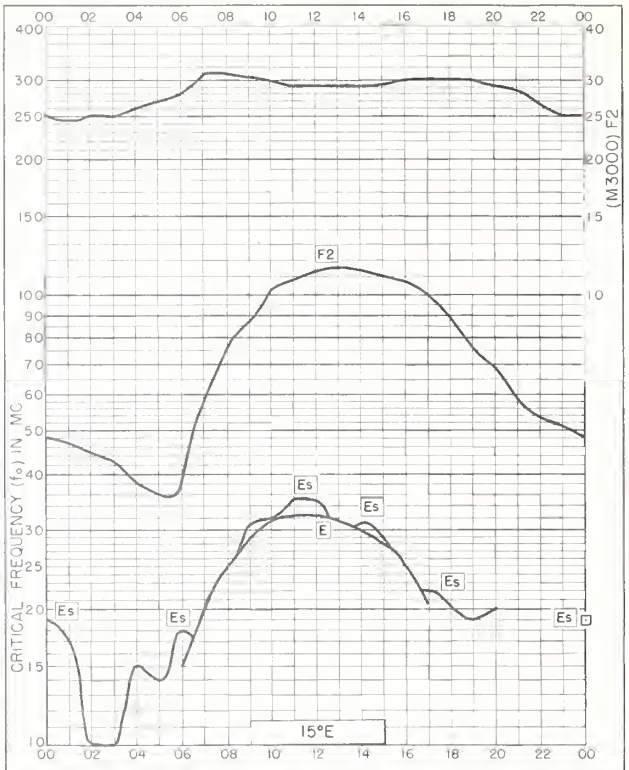


Fig. 34. JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E OCTOBER 1959

NBS 503

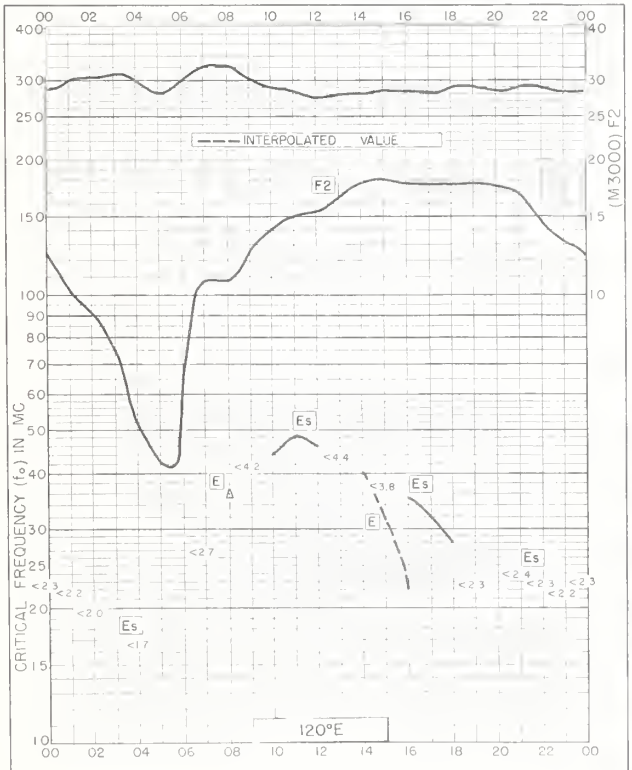


Fig. 35. FORMOSA, CHINA
25.0°N, 121.5°E OCTOBER 1959

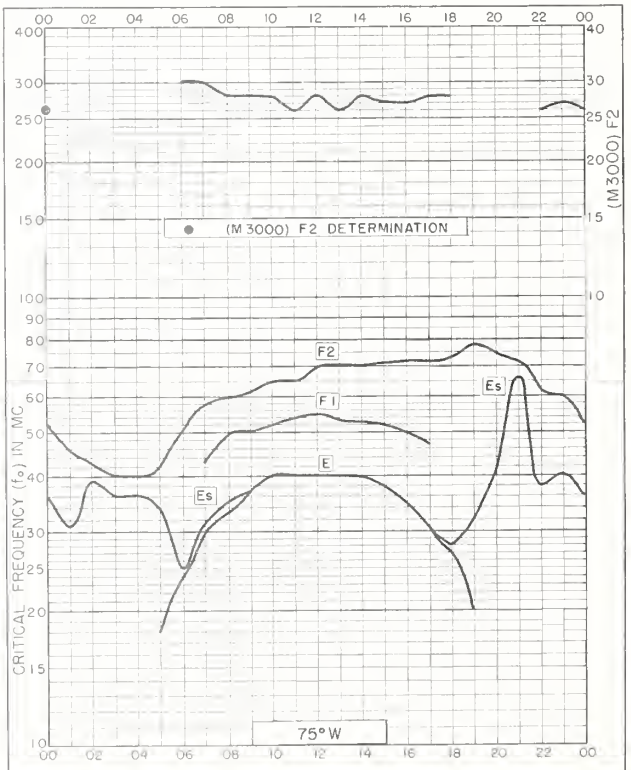


Fig. 36. OTTAWA, CANADA
45.4°N, 75.9°W AUGUST 1959

NBS 503

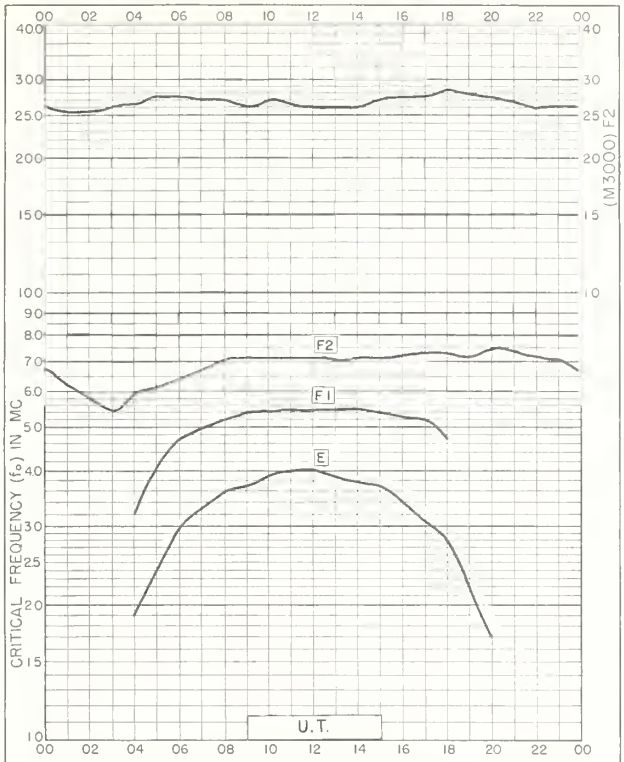


Fig. 37. De BILT, HOLLAND
52.1°N, 5.2°E JULY 1959

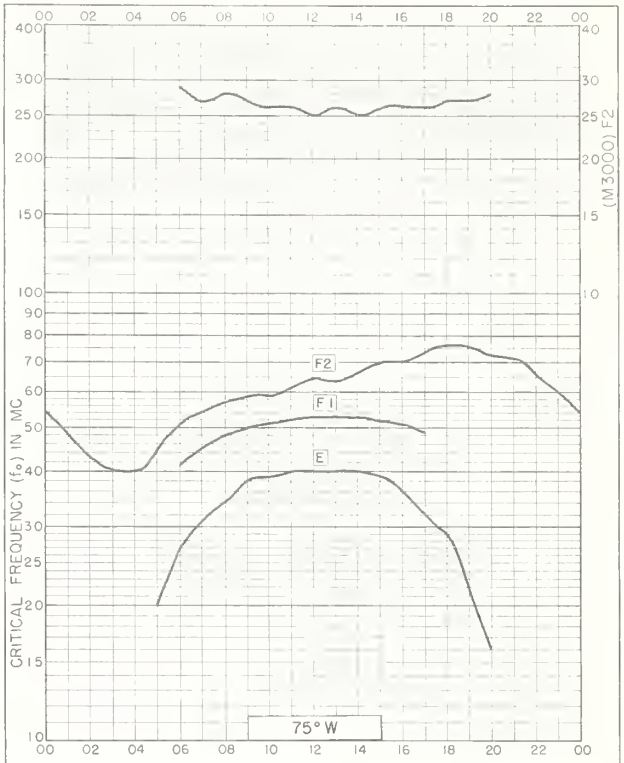


Fig. 38. OTTAWA, CANADA
45.4°N, 75.9°W JULY 1959

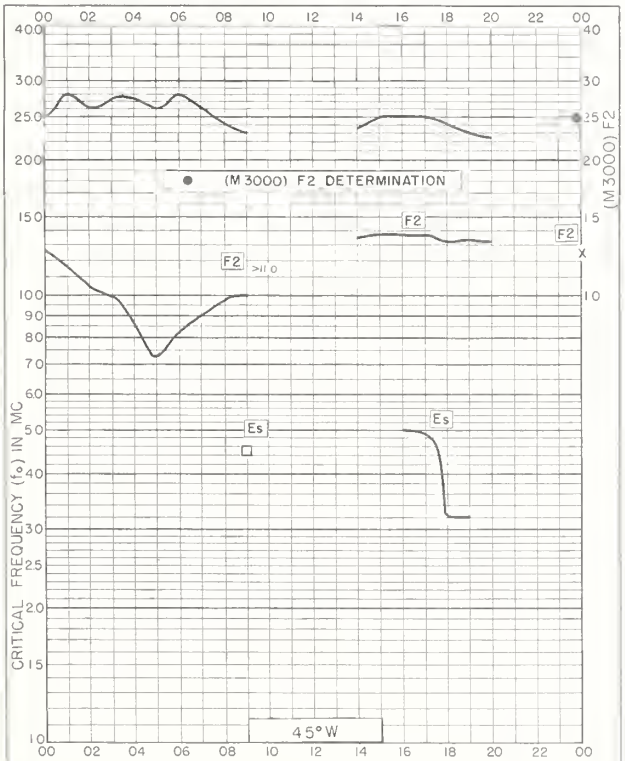


Fig. 39. SAO PAULO, BRAZIL
23.5°S, 46.5°W DECEMBER 1958

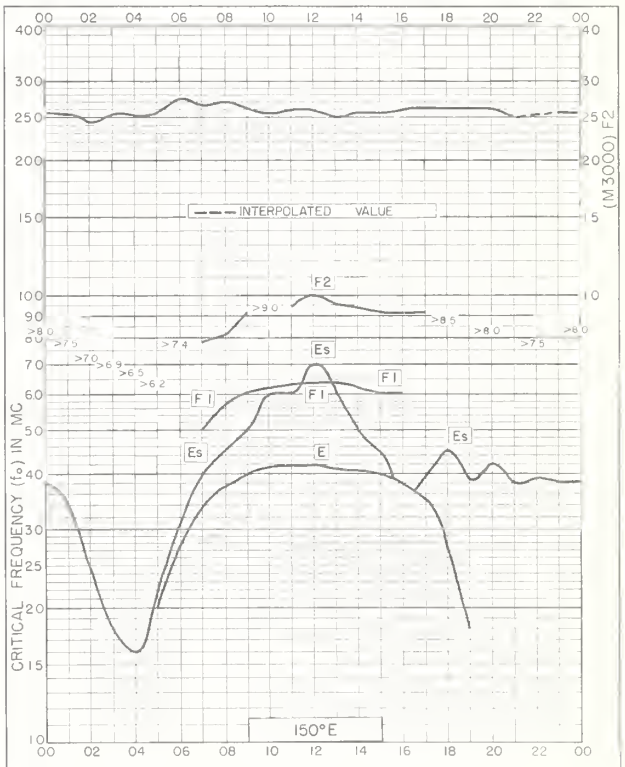


Fig. 40. CANBERRA, AUSTRALIA
35.3°S, 149.0°E DECEMBER 1958

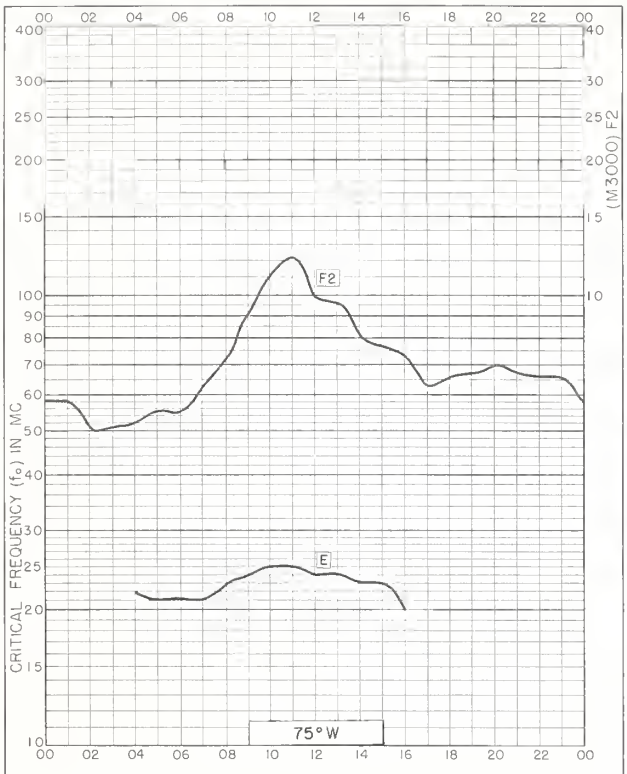


Fig. 41. FROBISHER BAY, CANADA
63.8°N, 68.6°W NOVEMBER 1958



Fig. 42. JULIUSRUH/RÜGEN, GERMANY
54.6°N, 13.4°E NOVEMBER 1958

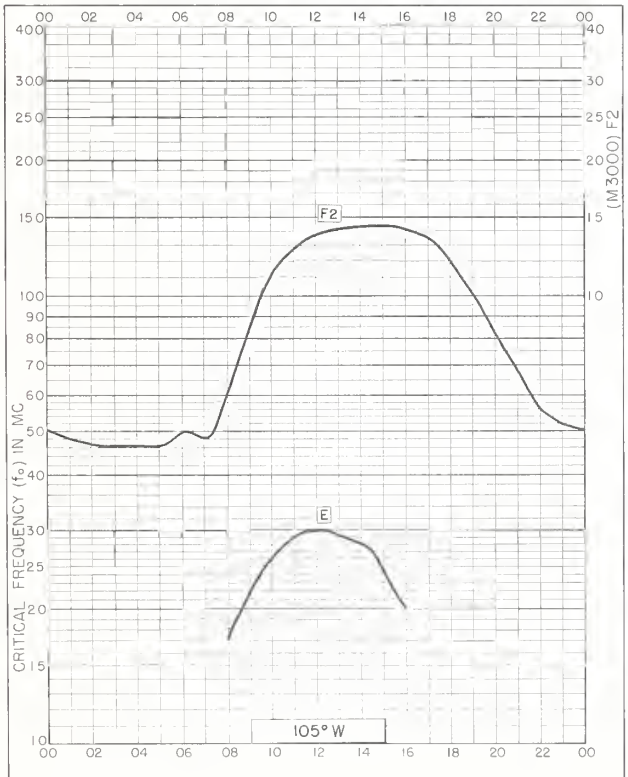


Fig. 43. MEANOOK, CANADA
54 6°N, 113.3°W NOVEMBER 1958

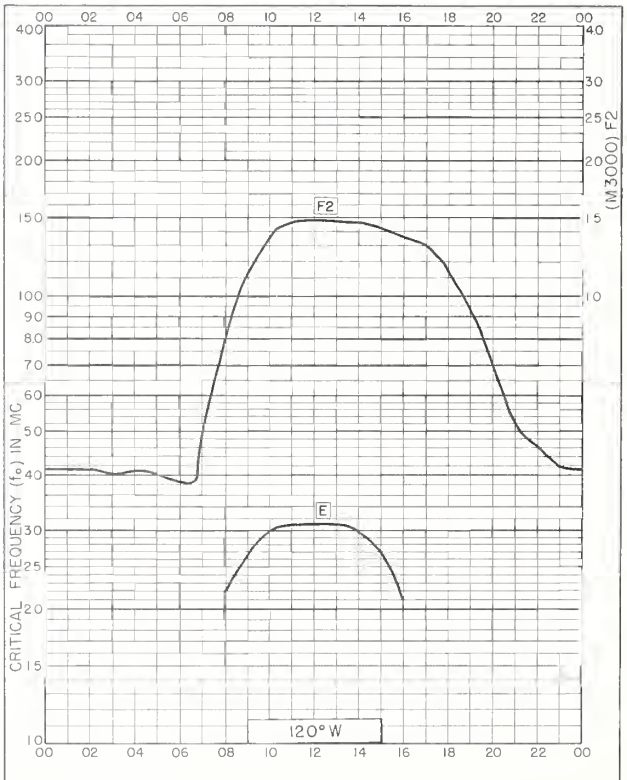


Fig. 44. VICTORIA, CANADA
48.4°N, 123.4°W NOVEMBER 1958

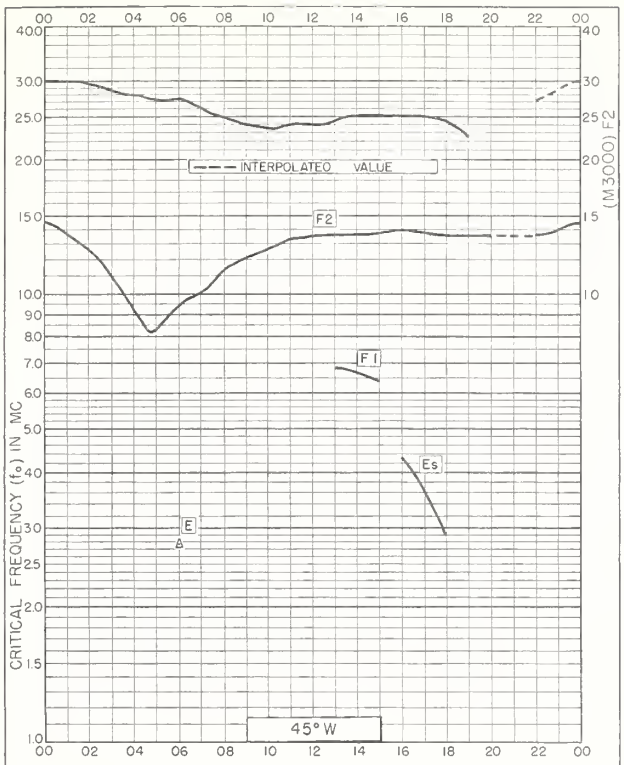


Fig. 45. SAO PAULO, BRAZIL
23.5°S, 46.5°W NOVEMBER 1958

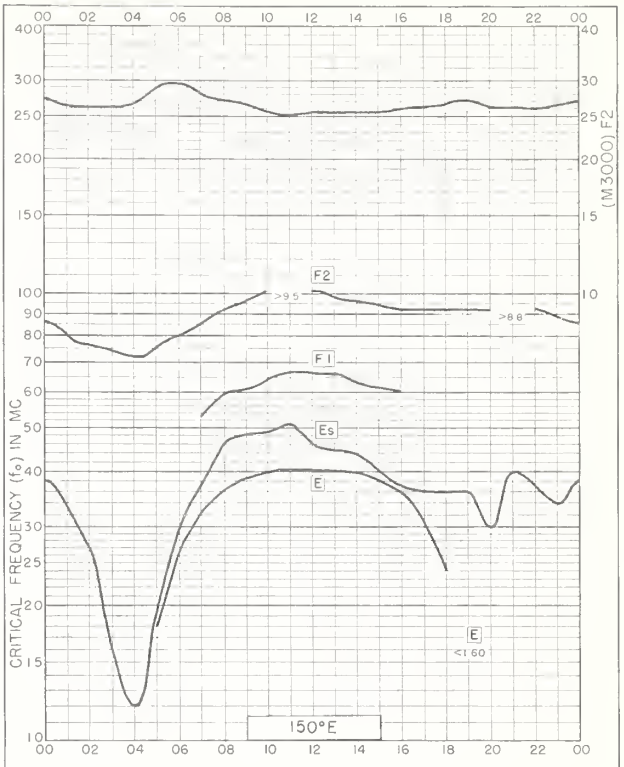


Fig. 46. CANBERRA, AUSTRALIA
35.3°S, 149.0°E NOVEMBER 1958

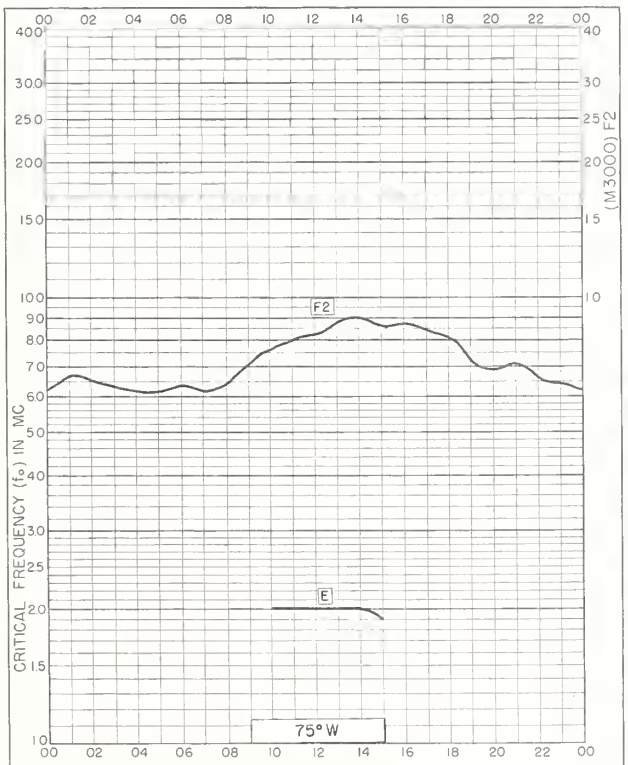


Fig. 47. EUREKA, CANADA
80.0°N, 85.9°W OCTOBER 1958

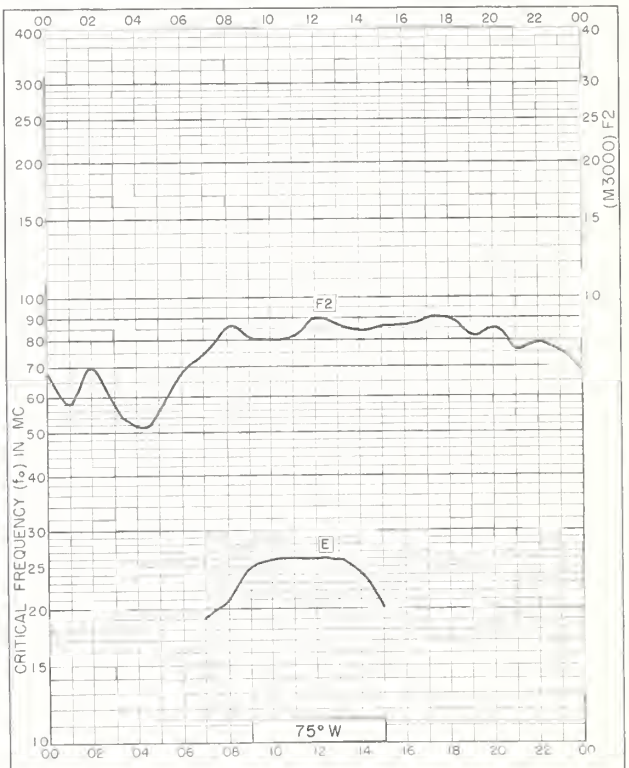


Fig. 48. CLYDE, BAFFIN I.
70.5°N, 68.6°W OCTOBER 1958

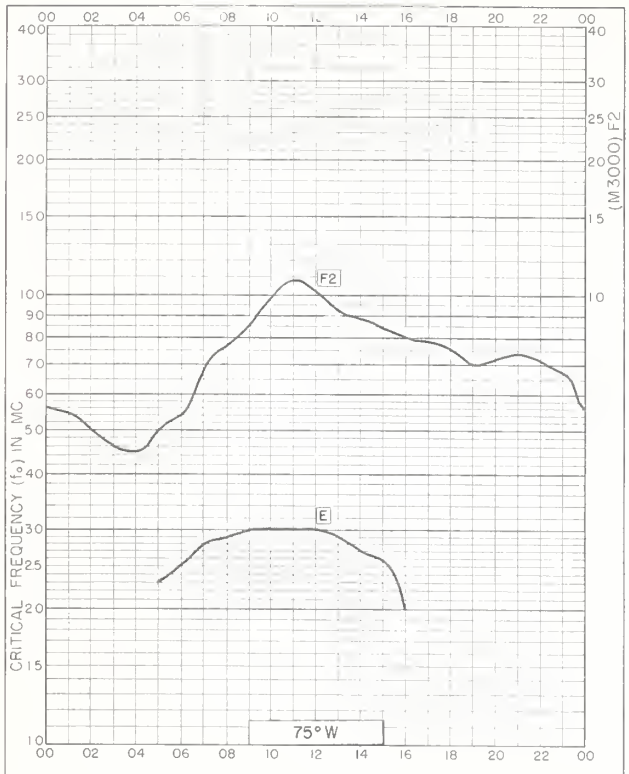


Fig. 49. FROBISHER BAY, CANADA
63.8°N, 68.6°W OCTOBER 1958

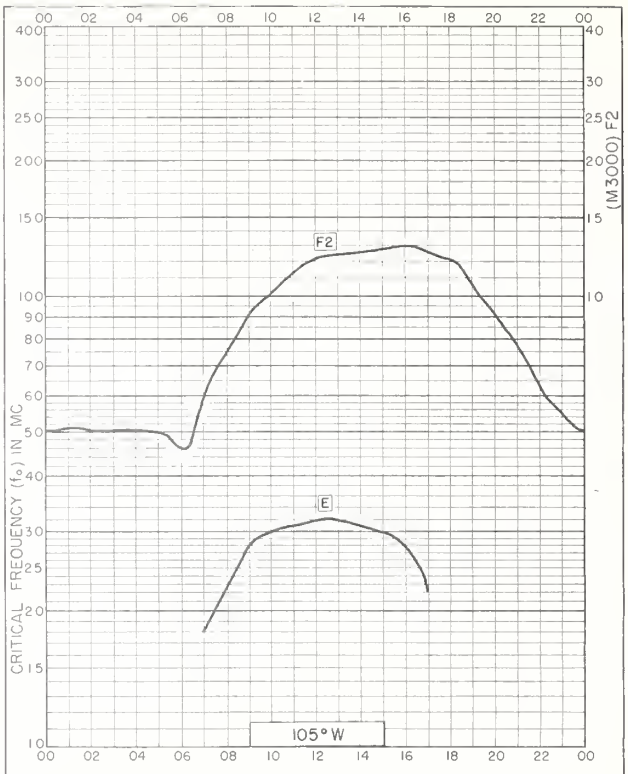


Fig. 50. MEANOOK, CANADA
54.6°N, 113.3°W OCTOBER 1958

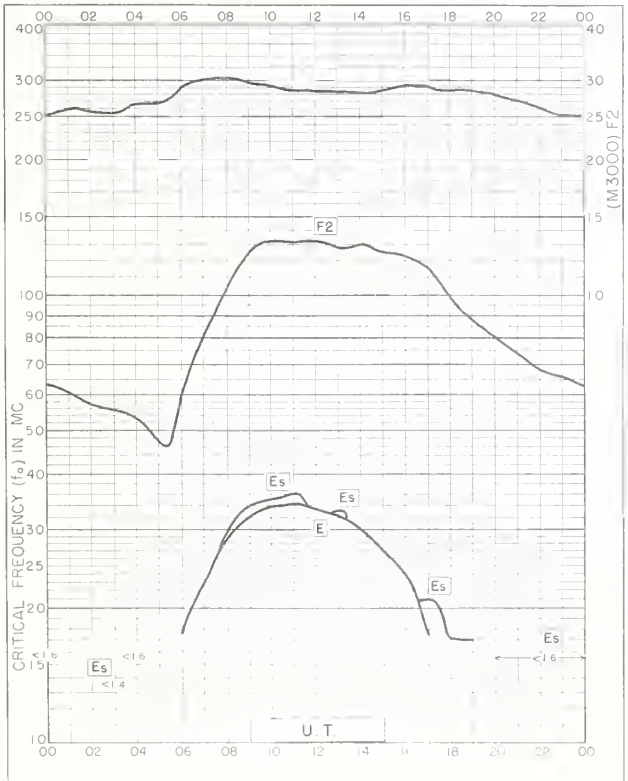


Fig. 51. DOURBES, BELGIUM
50.1°N, 4.6°E OCTOBER 1958

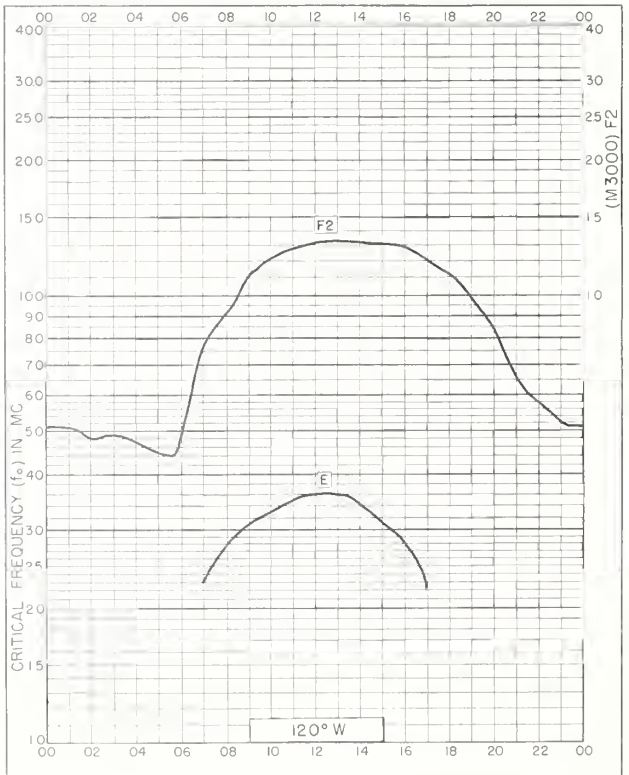


Fig. 52. VICTORIA, CANADA
48.4°N, 123.4°W OCTOBER 1958

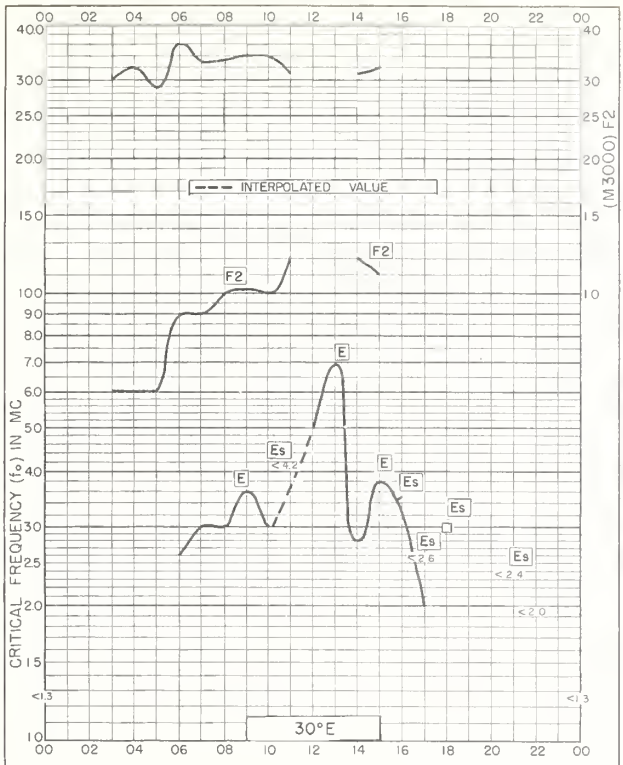


Fig. 53. SALISBURY, SOUTHERN RHODESIA
17.8°S, 31.0°E OCTOBER 1958

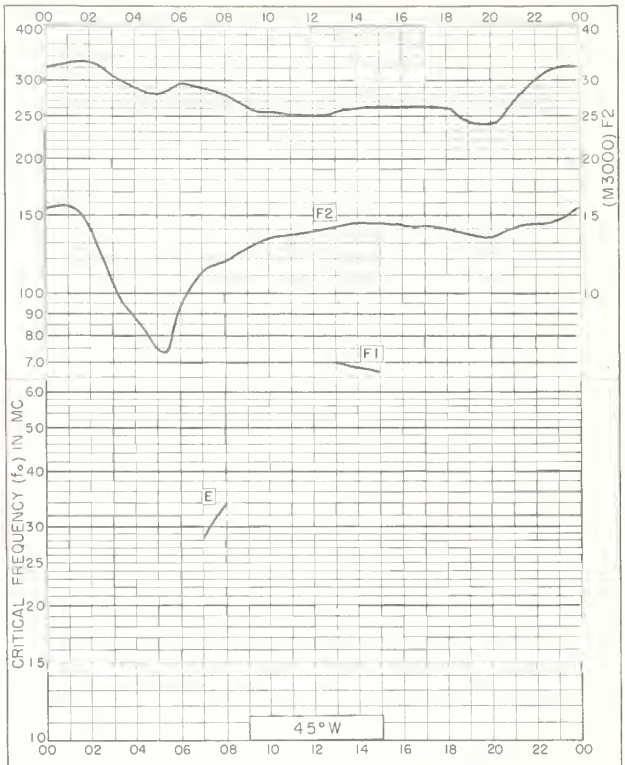


Fig. 54. SAO PAULO, BRAZIL
23.5°S, 46.5°W OCTOBER 1958

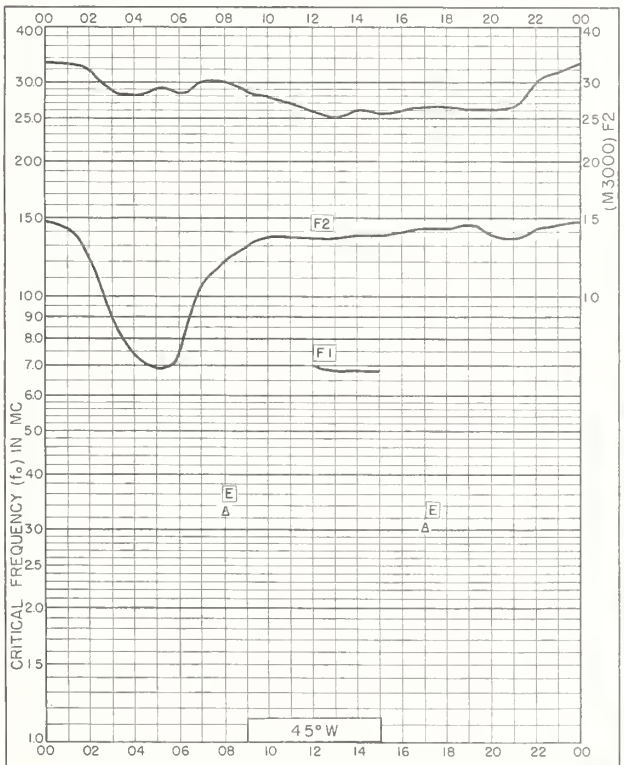


Fig. 55. SAO PAULO, BRAZIL
23.5°S, 46.5°W SEPTEMBER 1958

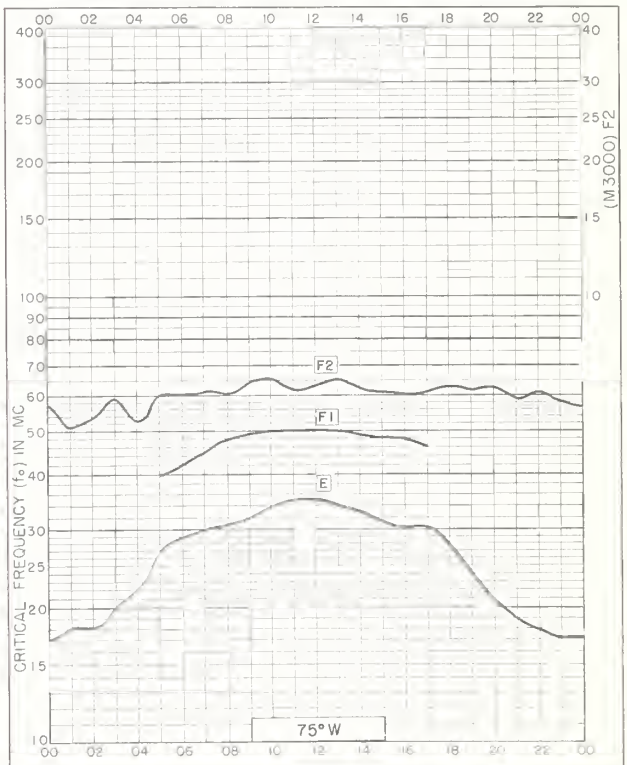


Fig. 56. CLYDE, BAFFIN I.
70.5°N, 68.6°W AUGUST 1958

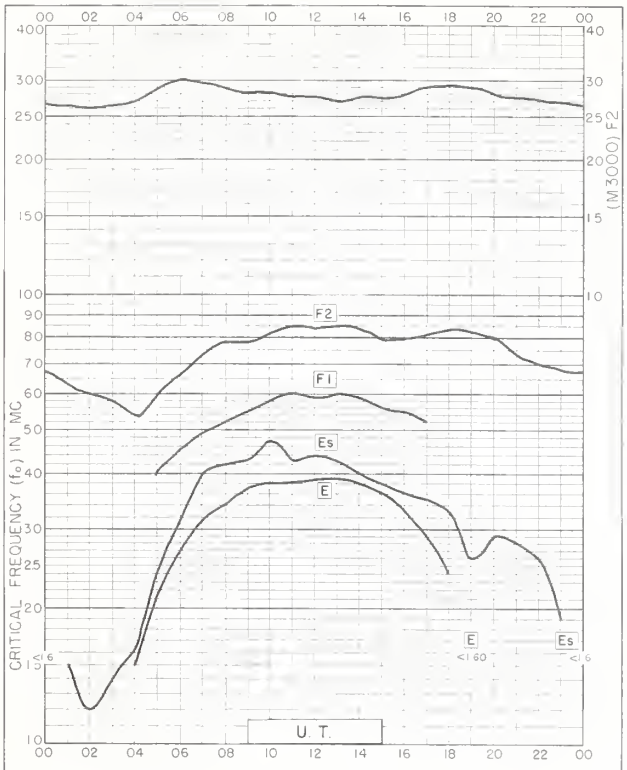


Fig. 57. DOURBES, BELGIUM
50.1°N, 4.6°E AUGUST 1958

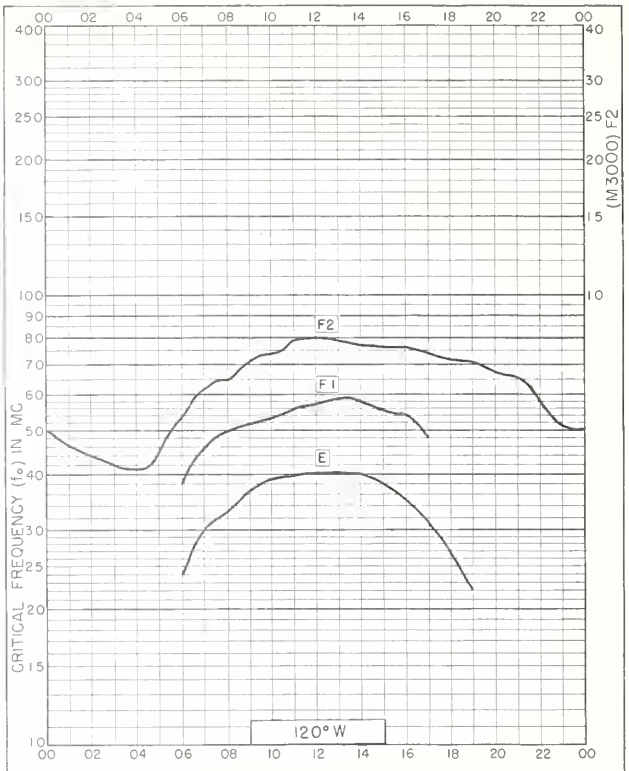


Fig. 58. VICTORIA, CANADA
48.4°N, 123.4°W AUGUST 1958

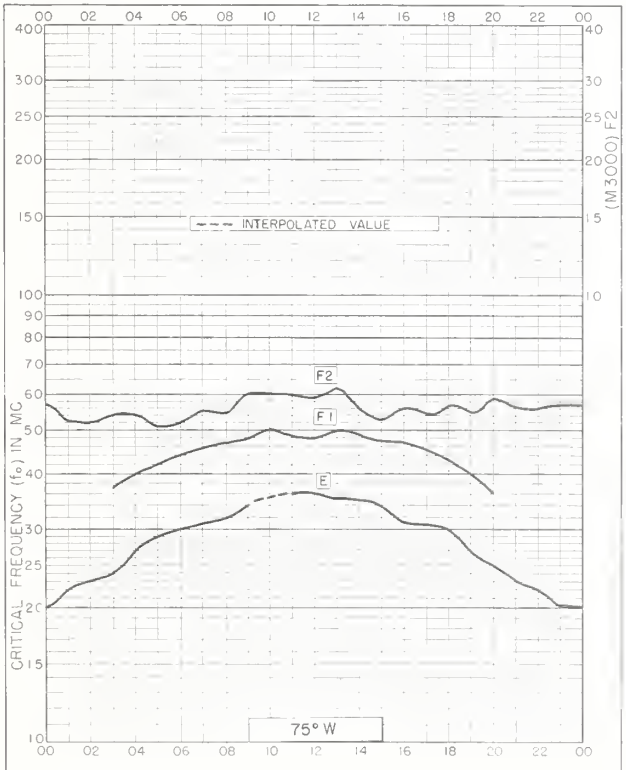


Fig. 59. CLYDE, BAFFIN I
70.5°N, 68.6° W JULY 1958

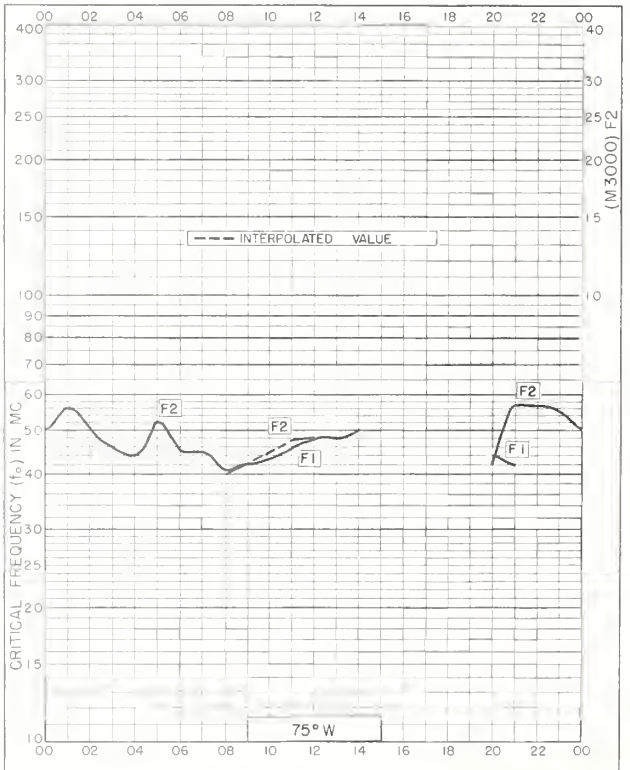


Fig. 60. FROBISHER BAY, CANADA
63.8°N, 68.6°W JULY 1958

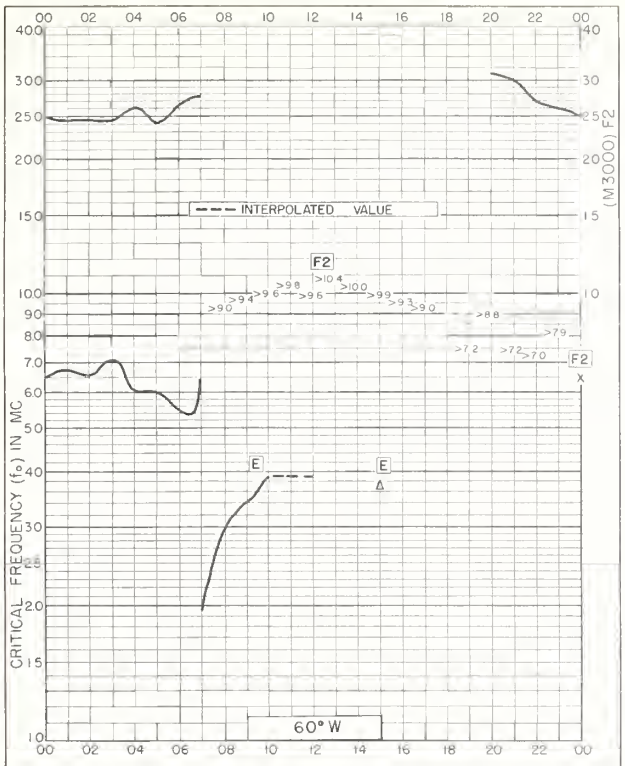


Fig. 61. TRELEW, ARGENTINA
43.2°S, 65.3°W MAY 1958

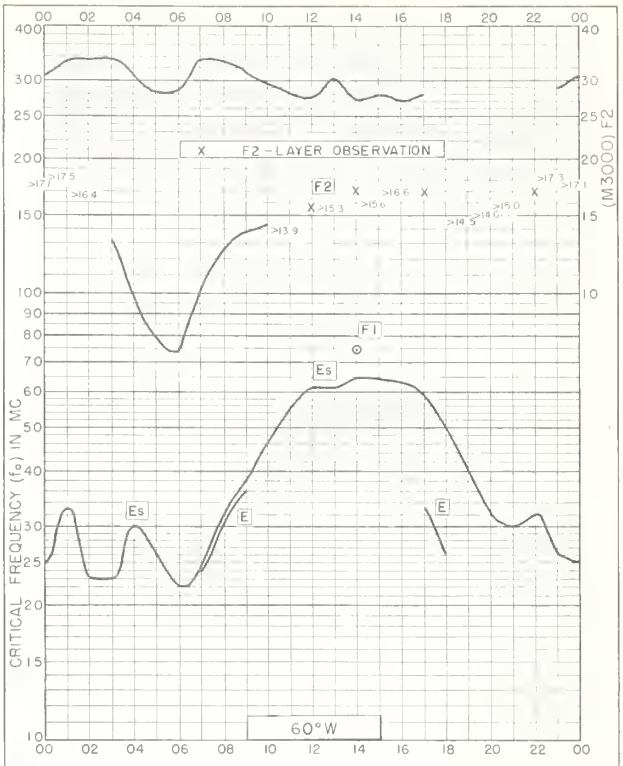


Fig. 62. TUCUMAN, ARGENTINA
26.9°S, 65.4° W MARCH 1958

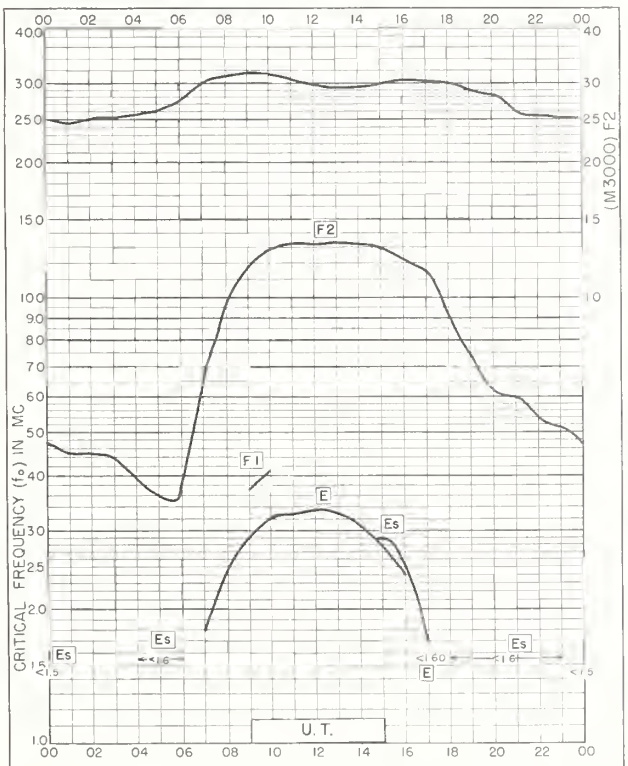


Fig. 63. DOURBES, BELGIUM
50.1°N, 4.6°E FEBRUARY 1958

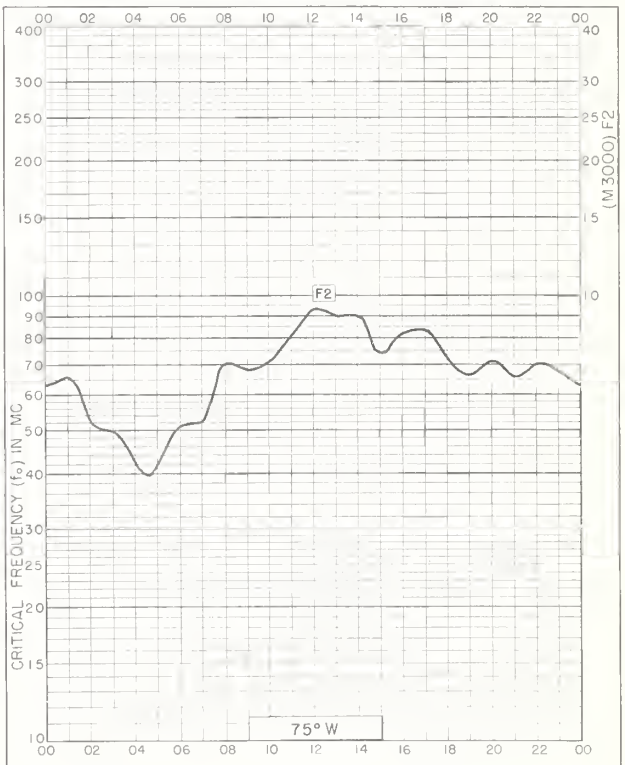


Fig. 64. CLYDE, BAFFIN I.
70.5°N, 68.6° W JANUARY 1958

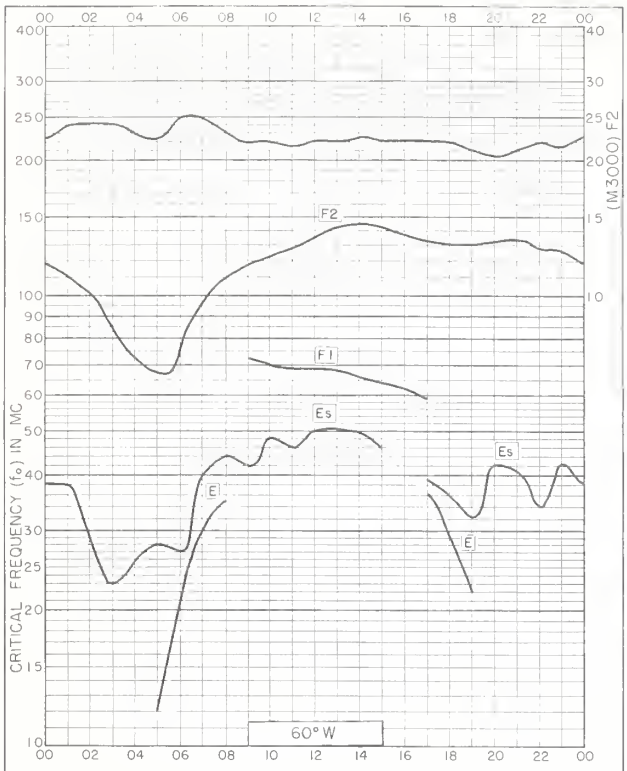


Fig. 65. TUCUMAN, ARGENTINA
26.9°S, 65.4°W JANUARY 1958

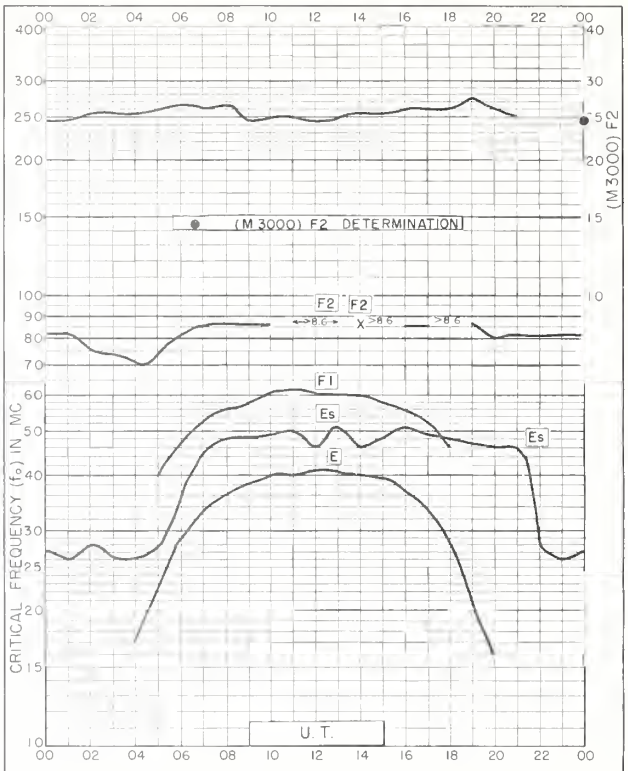


Fig. 66. POITIERS, FRANCE
46.6°N, 0.3°E JUNE 1957

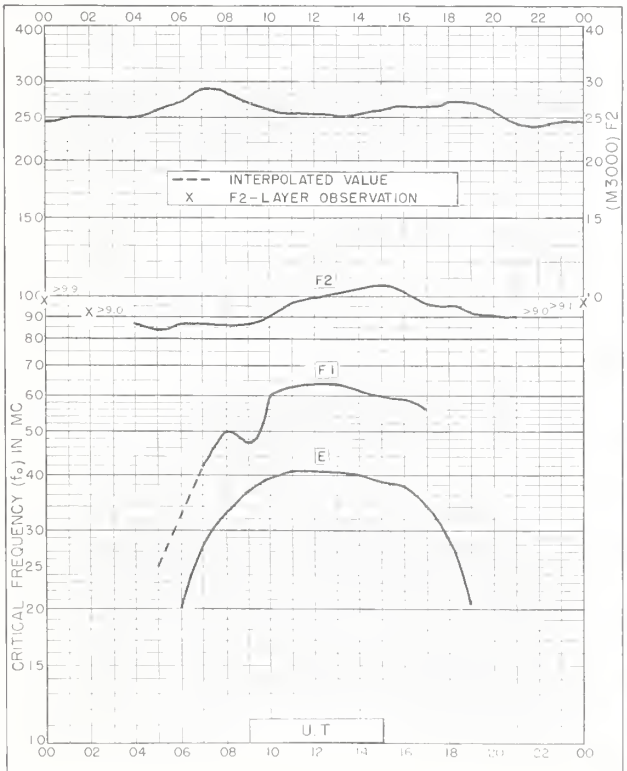


Fig. 67. CASABLANCA, MOROCCO
33.6°N, 7.6°W JUNE 1957

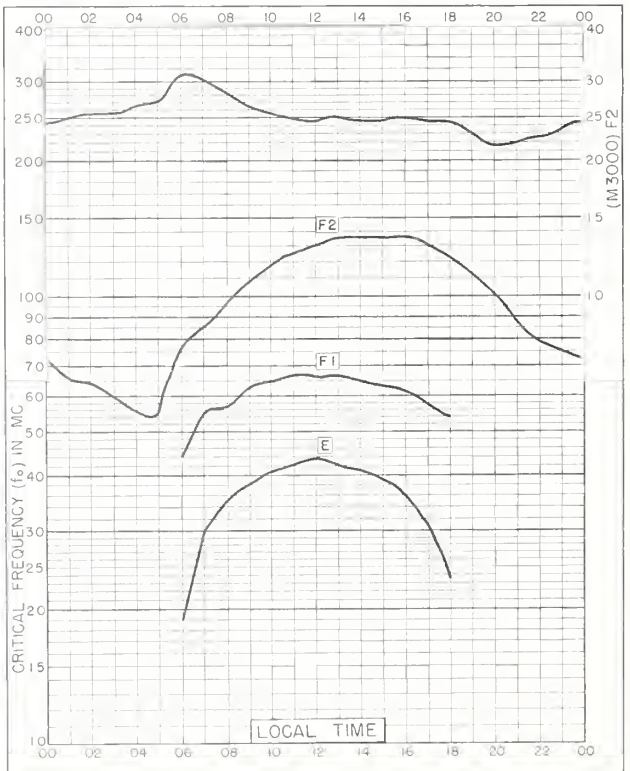


Fig. 68. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4° W JUNE 1957



Fig. 69. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E JUNE 1957

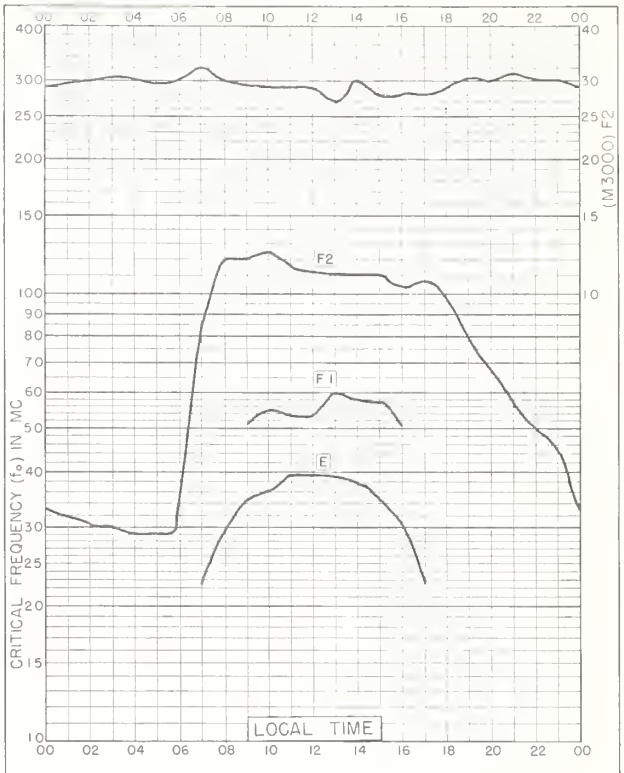


Fig. 70. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E JUNE 1957

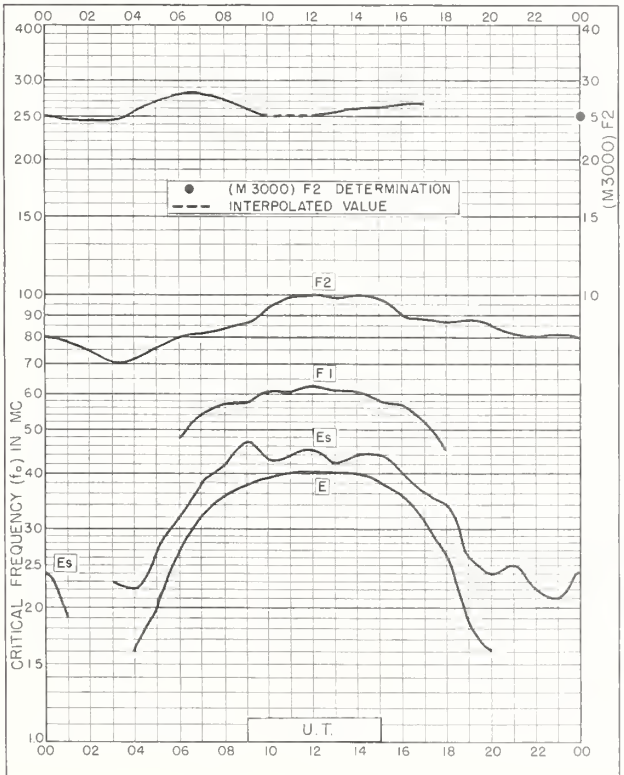


Fig. 71. POITIERS, FRANCE
46.6°N, 0.3°E MAY 1957

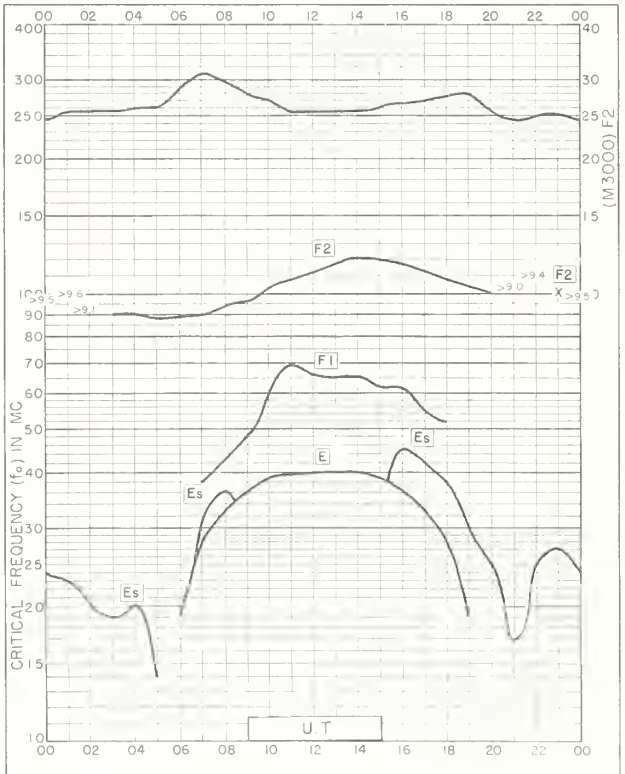


Fig. 72. CASABLANCA, MOROCCO
33.6°N, 7.6°W MAY 1957

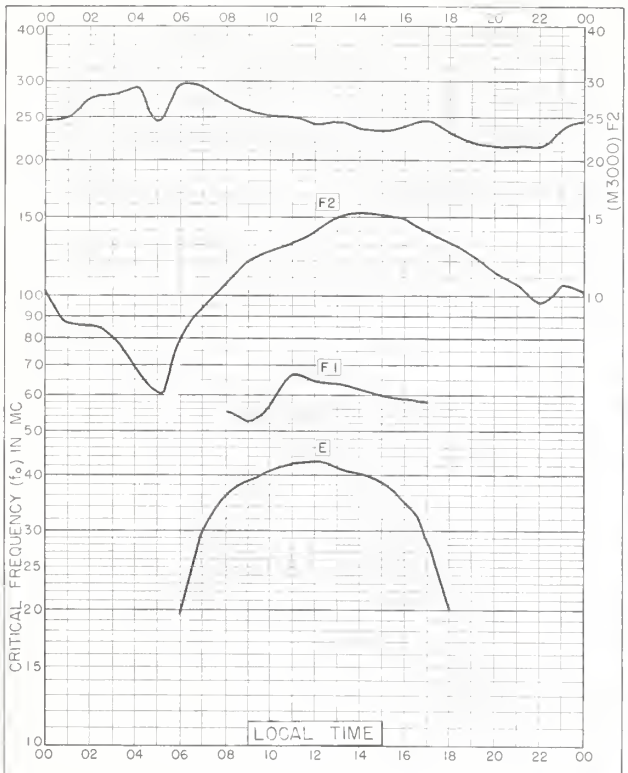


Fig. 73. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W MAY 1957

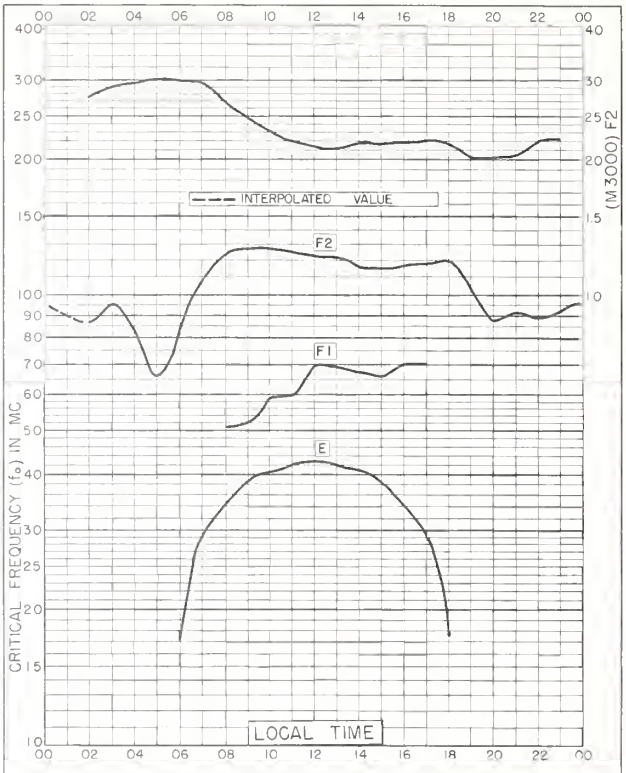


Fig. 74. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E MAY 1957

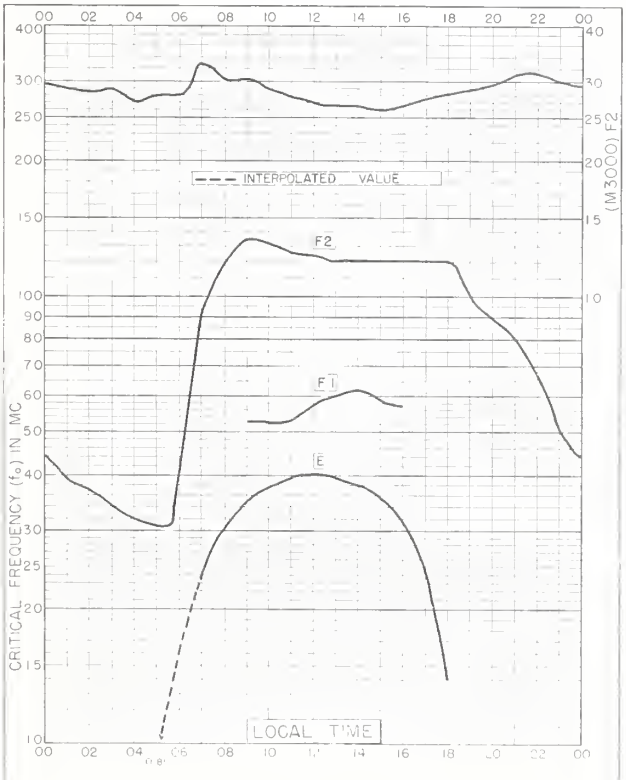


Fig. 75. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E MAY 1957

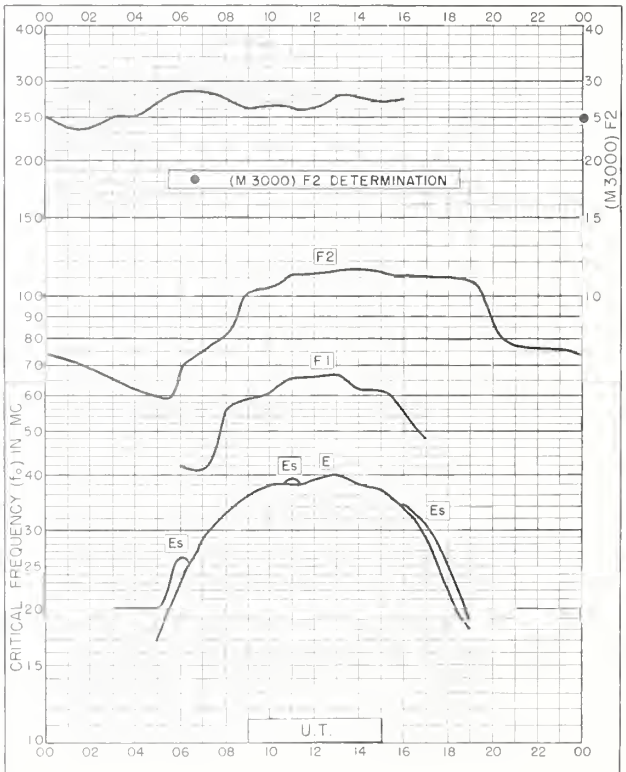


Fig. 76. POITIERS, FRANCE
46.6°N, 0.3°E APRIL 1957

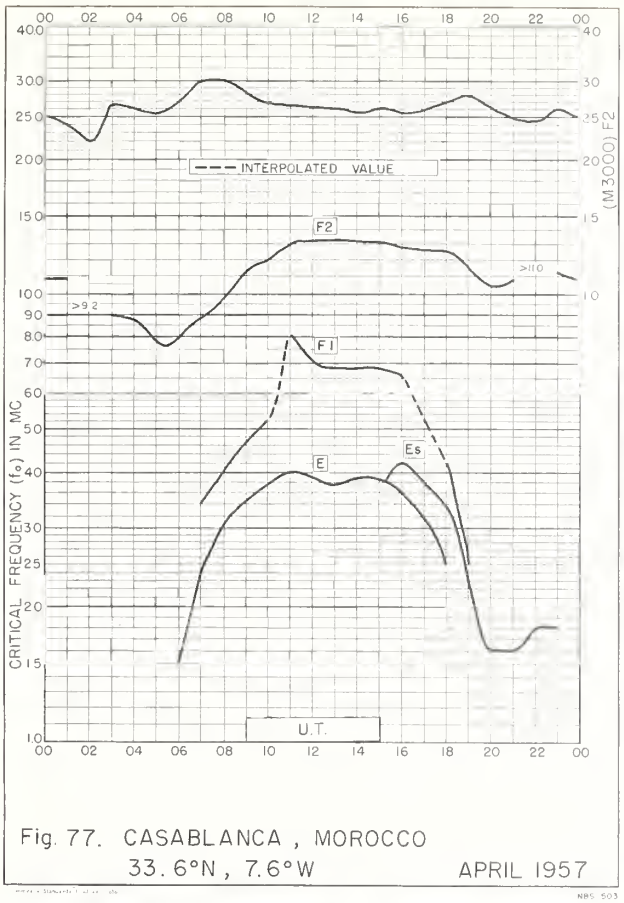


Fig. 77. CASABLANCA, MOROCCO
33.6°N, 7.6°W APRIL 1957

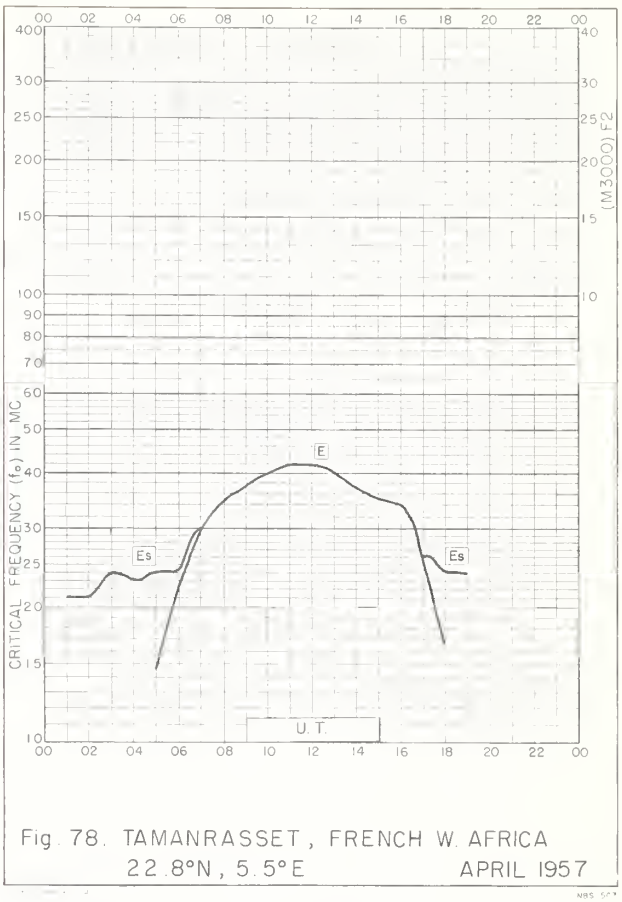


Fig. 78. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E APRIL 1957

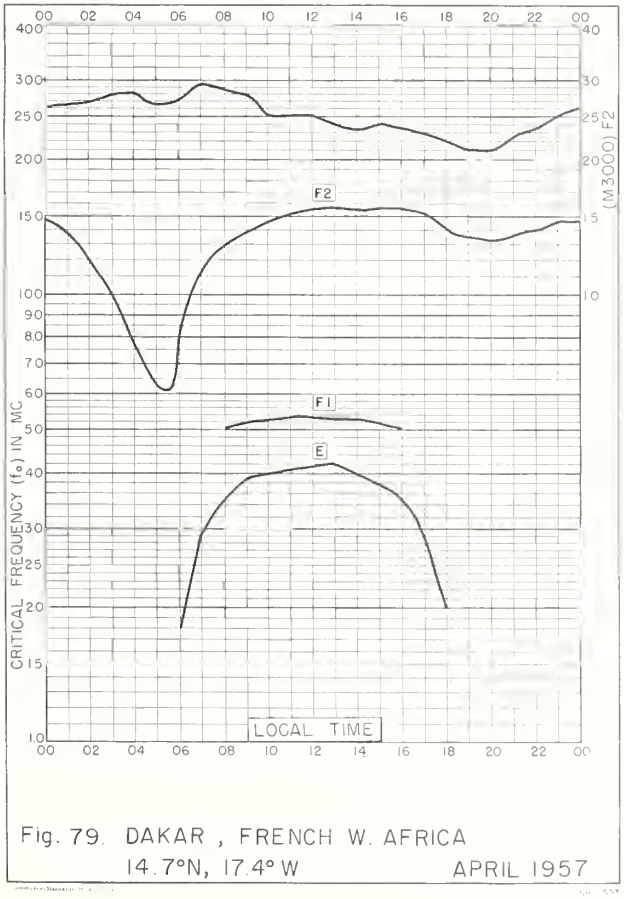


Fig. 79. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W APRIL 1957

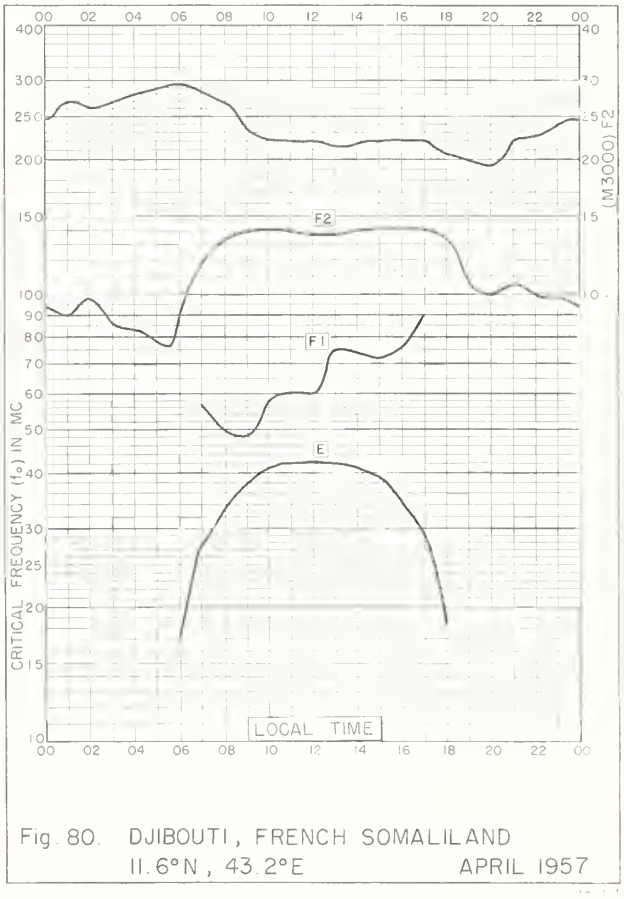


Fig. 80. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E APRIL 1957

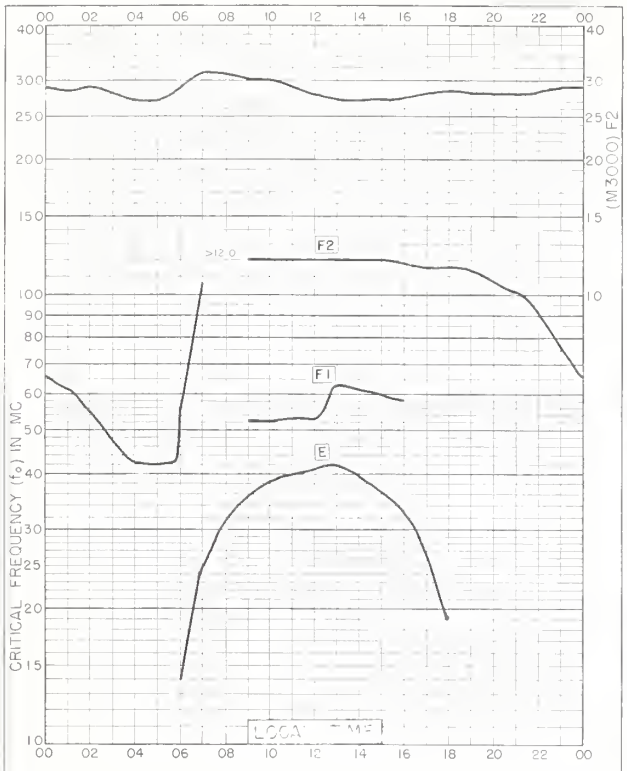


Fig. 81. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E APRIL 1957

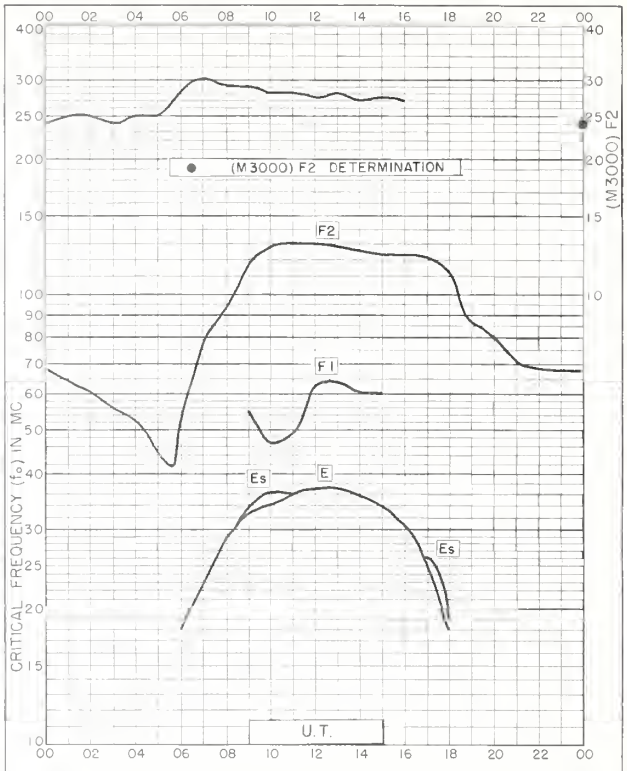


Fig. 82. POITIERS, FRANCE
46.6°N, 0.3°E MARCH 1957

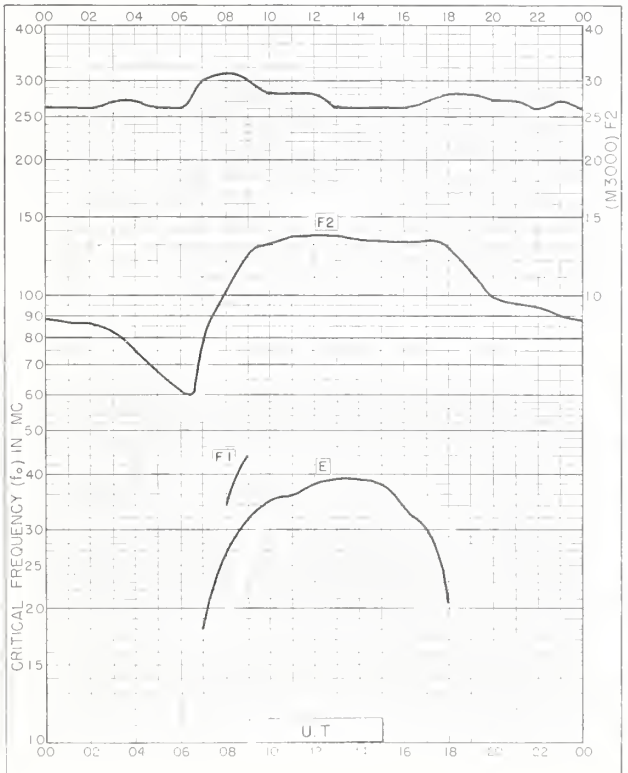


Fig. 83. CASABLANCA, MOROCCO
33.6°N, 7.6°W MARCH 1957

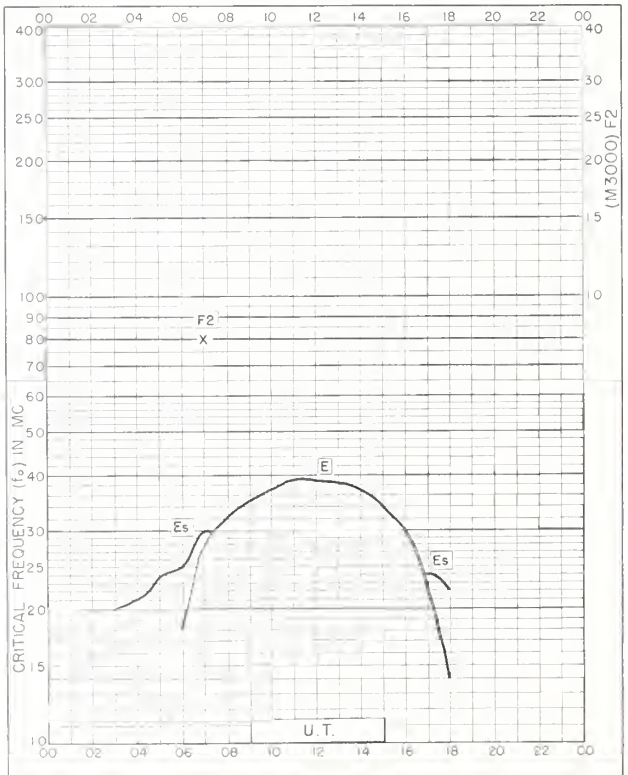


Fig. 84. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E MARCH 1957

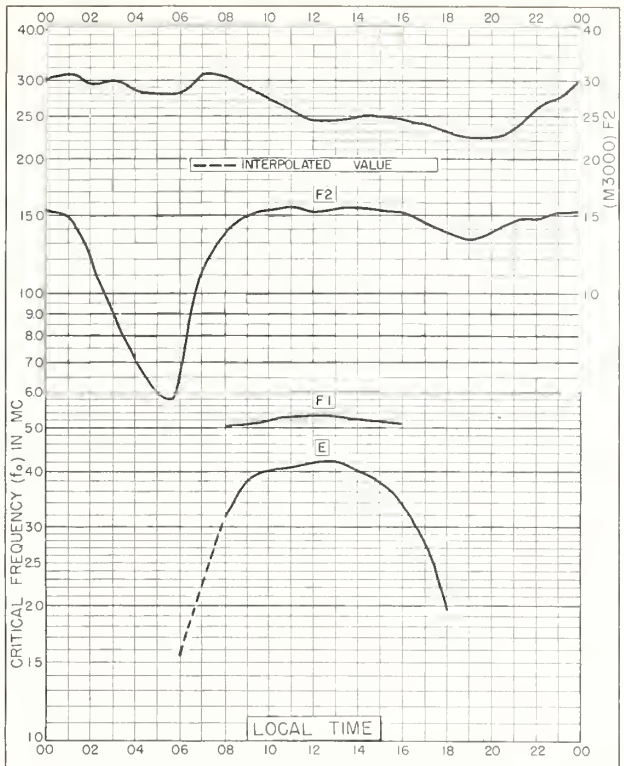


Fig. 85. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W MARCH 1957

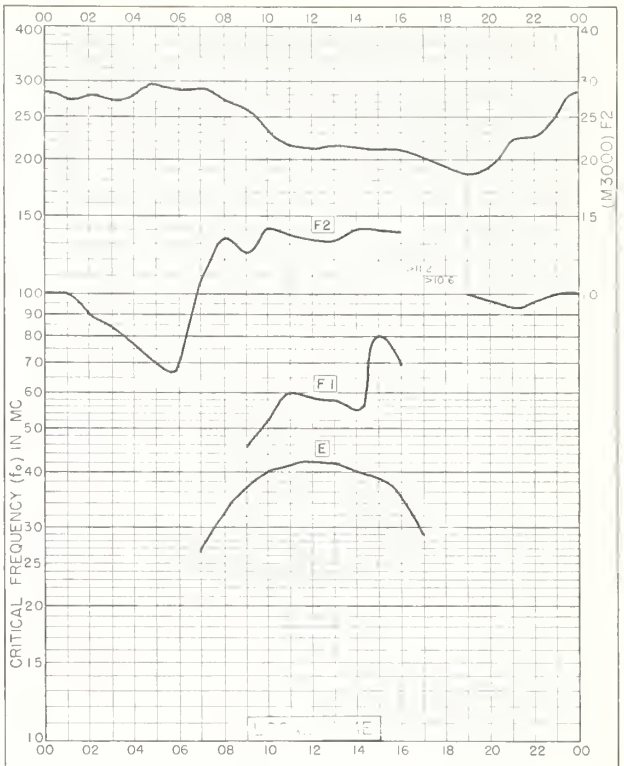


Fig. 86. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E MARCH 1957

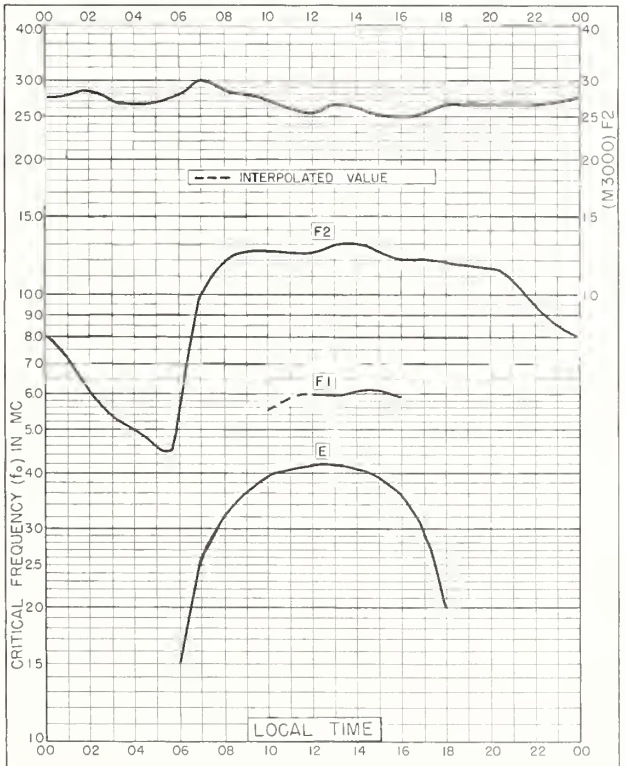


Fig. 87. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E MARCH 1957

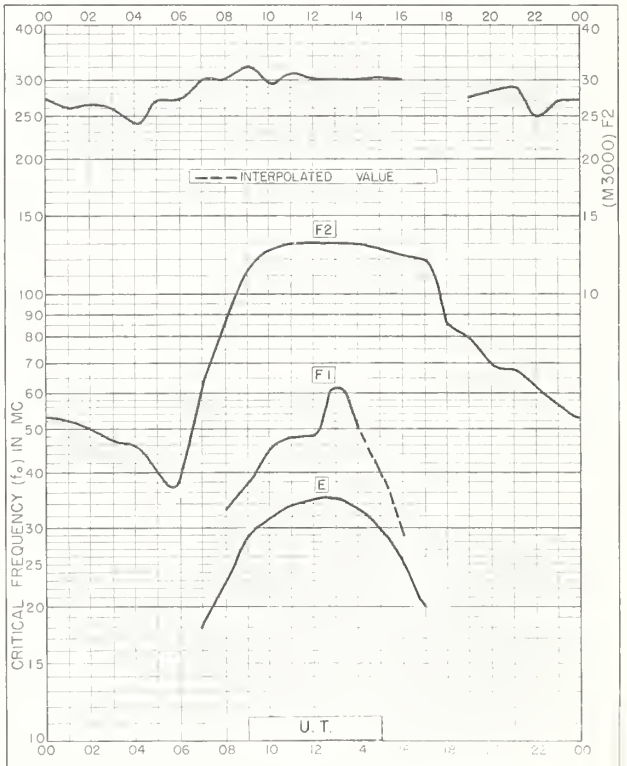


Fig. 88. POITIERS, FRANCE
46.6°N, 0.3°E FEBRUARY 1957

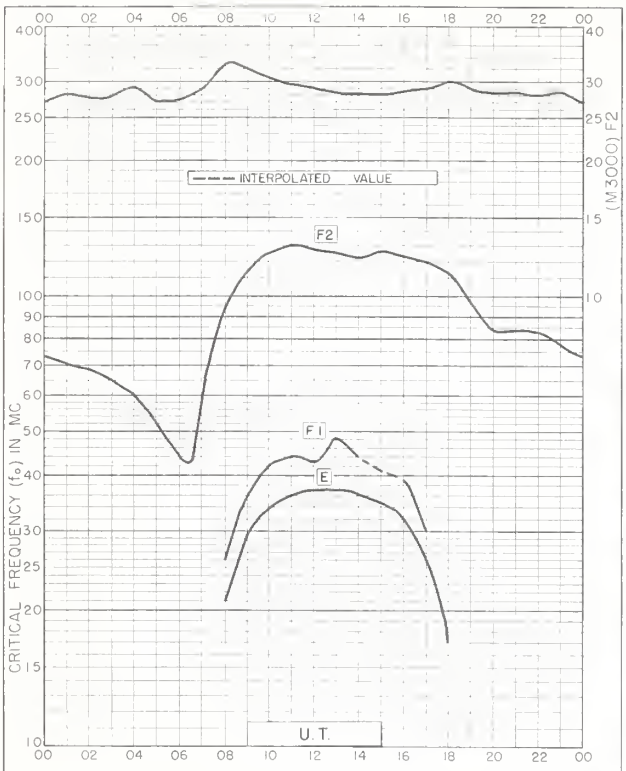


Fig. 89. CASABLANCA, MOROCCO
33.6°N, 7.6°W FEBRUARY 1957

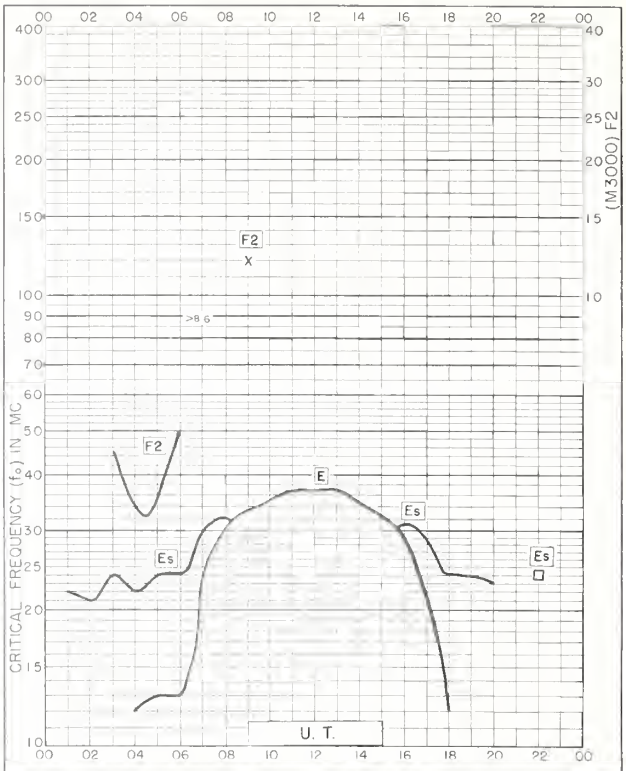


Fig. 90. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E FEBRUARY 1957

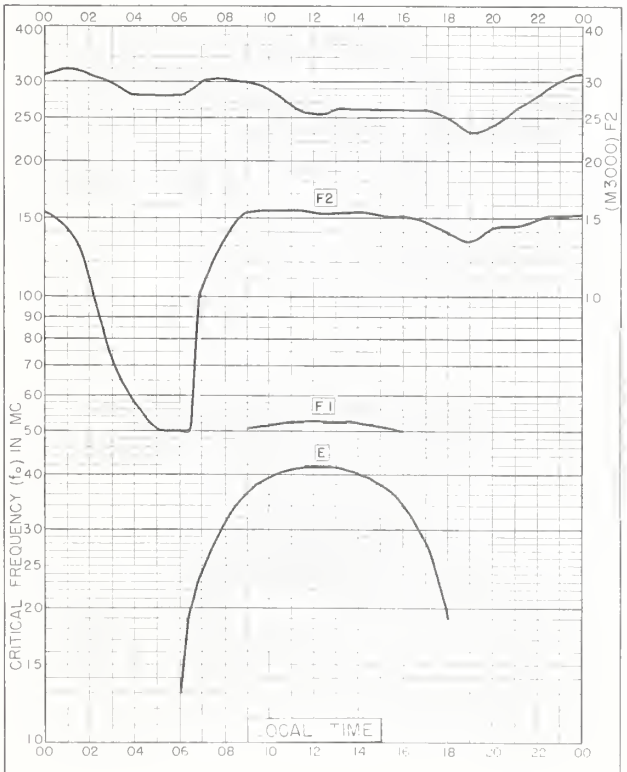


Fig. 91. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W FEBRUARY 1957

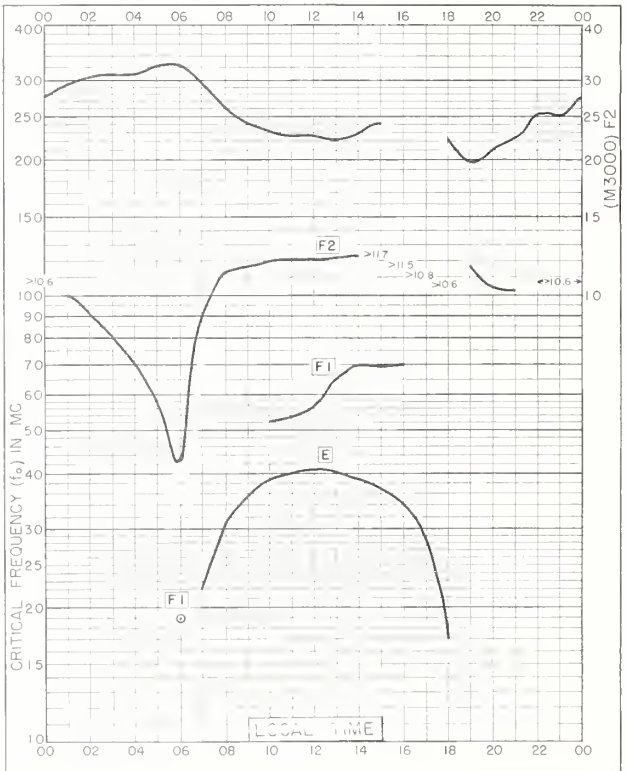


Fig. 92. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E FEBRUARY 1957

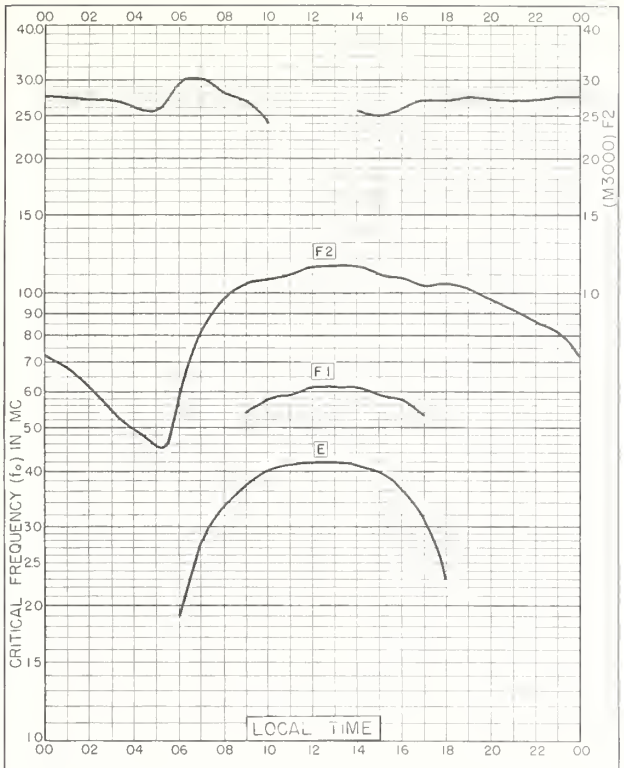


Fig. 93. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E FEBRUARY 1957

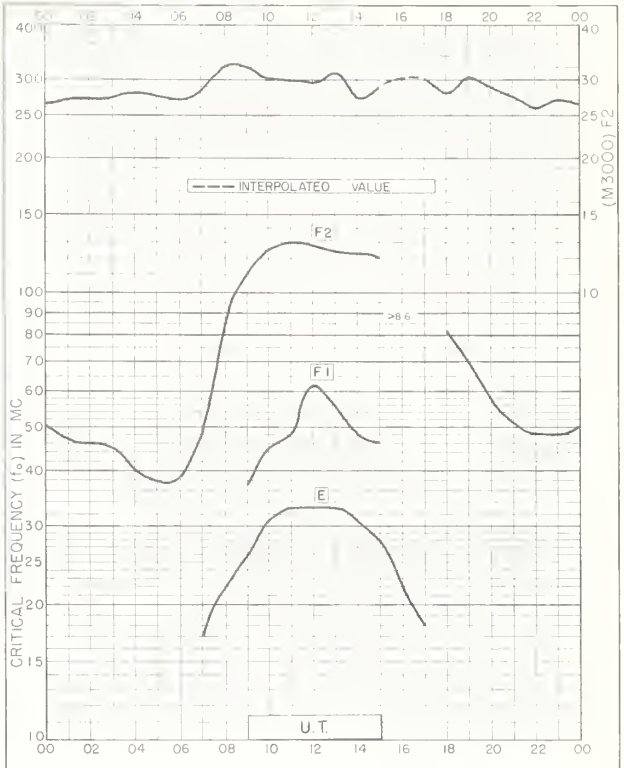


Fig 94. POITIERS, FRANCE
46.6°N, 0.3°E JANUARY 1957

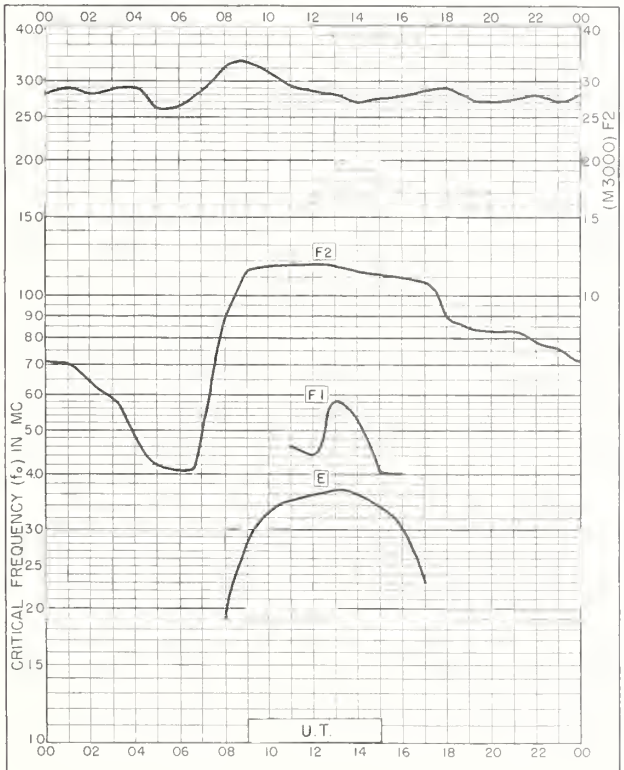


Fig. 95. CASABLANCA, MOROCCO
33.6°N, 7.6°W JANUARY 1957

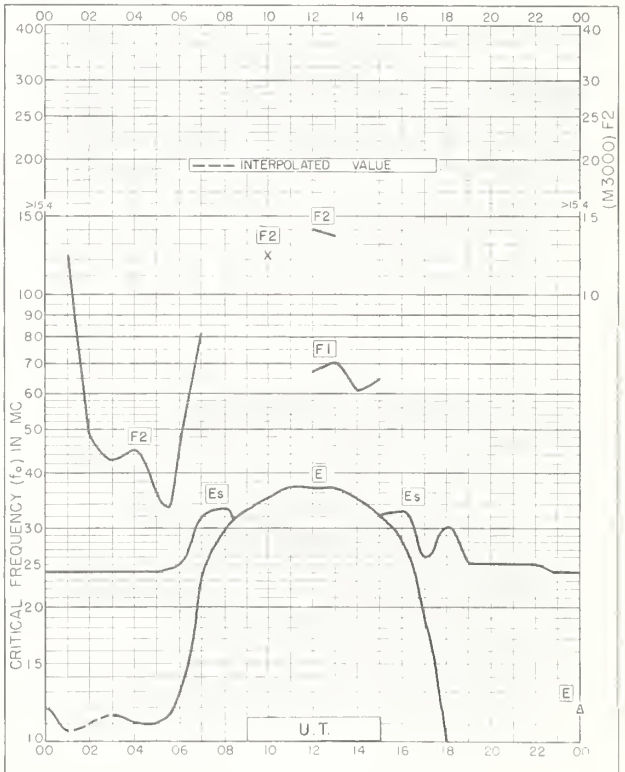


Fig. 96. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E JANUARY 1957

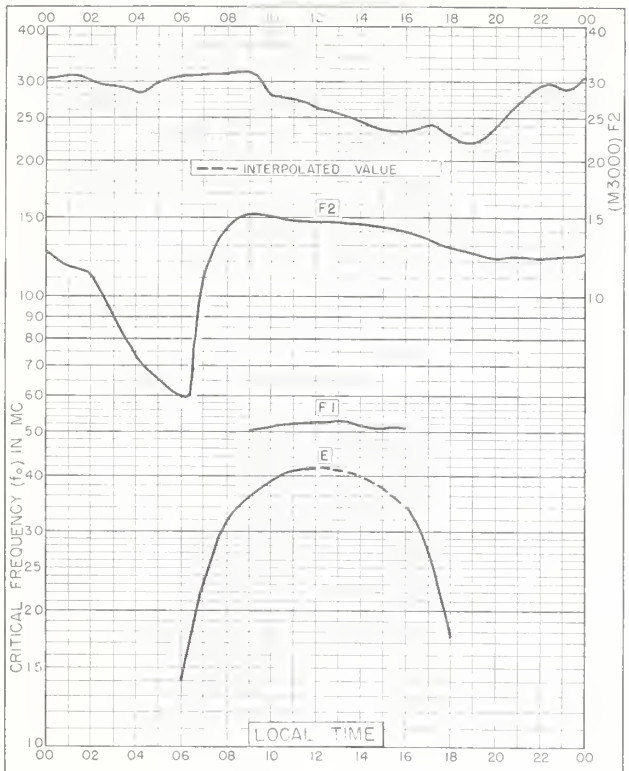


Fig. 97. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W JANUARY 1957

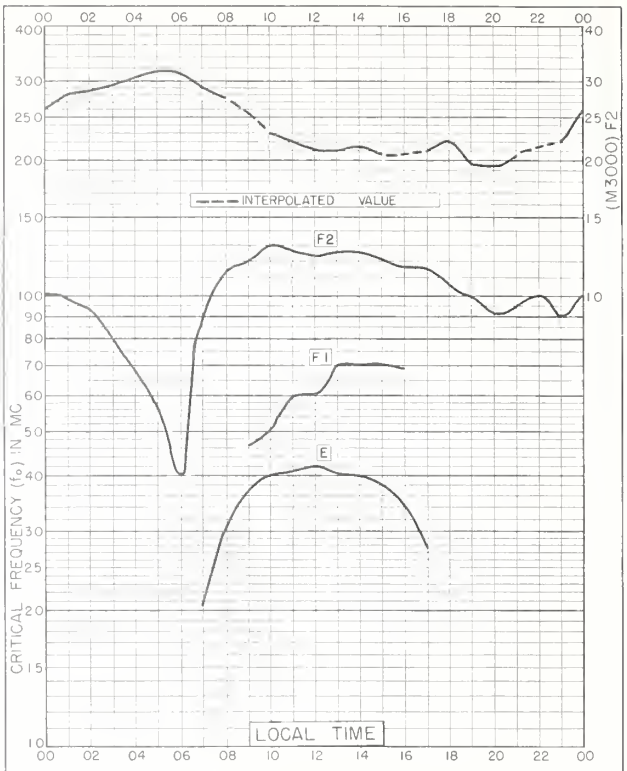


Fig. 98. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E JANUARY 1957

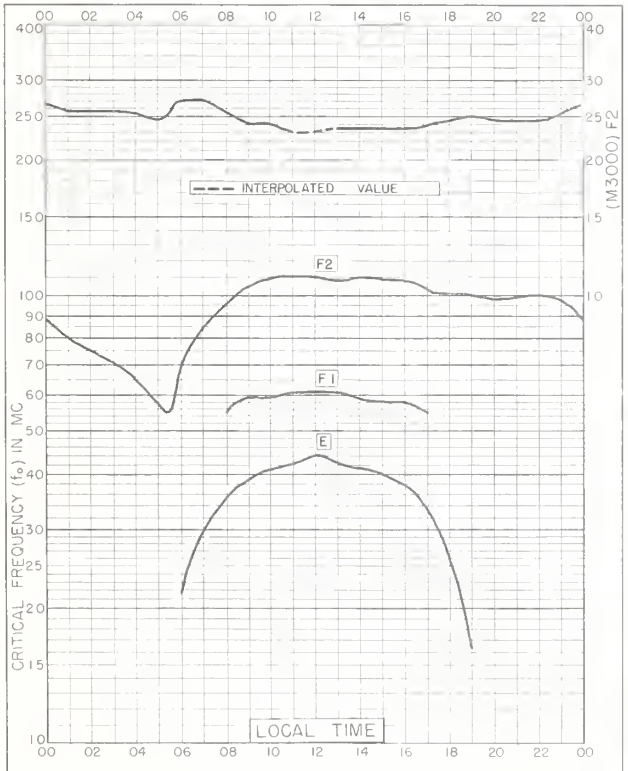


Fig. 99. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E JANUARY 1957

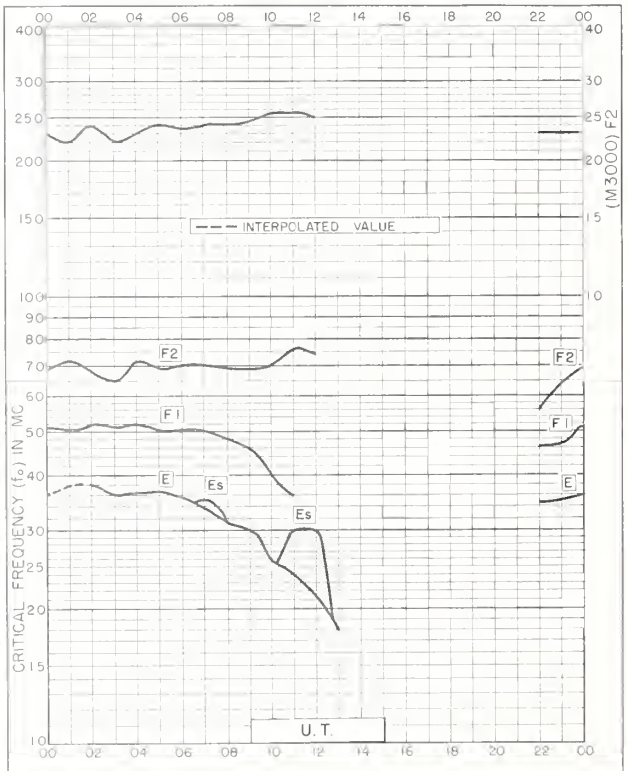


Fig. 100. TERRE ADELIE
66.7°S, 140.0°E JANUARY 1957

Index of Tables and Graphs of Ionospheric Data in CRPL-F216 (Part A)

	Table page	Figure page
Adak, Alaska		
May 1961	2	27
April 1961	3	28
Anchorage, Alaska		
June 1961	1	26
April 1961	2	27
March 1961	3	28
June 1960	5	30
Baguio, P. I.		
June 1960	6	31
Boulder, Colorado		
May 1961	2	27
March 1961	3	28
Byrd Station		
June 1960	6	31
May 1960	6	31
Canberra, Australia		
December 1958	10	35
November 1958	12	37
Casablanca, Morocco		
June 1957	17	42
May 1957	18	43
April 1957	20	45
March 1957	21	46
February 1957	23	48
January 1957	24	49
Clyde, Baffin I.		
October 1958	12	37
August 1958	14	39
July 1958	15	40
January 1958	16	41
Dakar, French W. Africa		
June 1957	17	42
May 1957	19	44
April 1957	20	45
March 1957	22	47
February 1957	23	48
January 1957	25	50
De Bilt, Holland		
July 1959	10	35
Djibouti, French Somaliland		
June 1957	18	43
May 1957	19	44
April 1957	20	45
March 1957	22	47
February 1957	23	48
January 1957	25	50

Index (CRPL-F216 (Part A), continued)

	Table page	Figure page
Dourbes, Belgium		
October 1958	13	38
August 1958	15	40
February 1958	16	41
Eureka, Canada		
October 1958	12	37
Fairbanks, Alaska		
July 1961	1	26
June 1961	1	26
May 1961	1	26
April 1961	2	27
June 1960	4	29
Formosa, China		
November 1959	9	34
October 1959	9	34
Frobisher Bay, Canada		
November 1958	11	36
October 1958	13	38
July 1958	15	40
Godhavn, Greenland		
March 1961	3	28
June 1960	4	29
Grand Bahama I.		
June 1960	5	30
Juliusruh/Rugen, Germany		
November 1959	8	33
October 1959	9	34
November 1958	11	36
Lycksele, Sweden		
November 1959	8	33
Maui, Hawaii		
June 1960	6	31
Meanook, Canada		
November 1958	11	36
October 1958	13	38
Narssarssuaq, Greenland		
June 1960	5	30
March 1960	8	33
Ottawa, Canada		
November 1959	8	33
August 1959	9	34
July 1959	10	35
Point Barrow, Alaska		
June 1960	4	29

Index (CRPL-F216 (Part A), concluded)

	Table page	Figure page
Poitiers, France		
June 1957	17	42
May 1957	18	43
April 1957	19	44
March 1957	21	46
February 1957	22	47
January 1957	24	49
Pole Station		
May 1960	7	32
April 1960	7	32
Reykjavik, Iceland		
November 1960	4	29
April 1960	7	32
March 1960	7	32
Salisbury, Southern Rhodesia		
October 1958	14	39
Sao Paulo, Brazil		
December 1958	10	35
November 1958	12	37
October 1958	14	39
September 1958	14	39
Tamanrasset, French W. Africa		
April 1957	20	45
March 1957	21	46
February 1957	23	48
January 1957	24	49
Tananarive, Madagascar		
June 1957	18	43
May 1957	19	44
April 1957	21	46
March 1957	22	47
February 1957	24	49
January 1957	25	50
Terre Adelie		
January 1957	25	50
Trelew, Argentina		
May 1958	16	41
Tucuman, Argentina		
March 1958	16	41
January 1958	17	42
Victoria, Canada		
November 1958	11	36
October 1958	13	38
August 1958	15	40
White Sands, New Mexico		
June 1960	5	30

CRPL Reports

[A detailed list of CRPL publications is available from the Central Radio Propagation Laboratory upon request]

Daily:

Radio disturbance forecasts, every half hour from broadcast stations WWV and WWVH of the National Bureau of Standards.

Telephoned and telegraphed reports of ionospheric, solar, geomagnetic, and radio propagation data.

Weekly:

CRPL—J. North Atlantic Radio Propagation Forecast.

CRPL—Jp. North Pacific Radio Propagation Forecast.

Semimonthly:

CRPL—Ja. Semimonthly Frequency Revision Factors For CRPL Basic Radio Propagation Prediction Reports.

Monthly:

CRPL—D. Basic Radio Propagation Predictions—Three months in advance. (Dept. of the Army, TB 11—499—, monthly supplements to TM 11—499; Dept. of the Air Force, TO 31—3—28 series). On sale by Superintendent of Documents. Members of the Armed Forces should address cognizant military office.

CRPL—F. (Part A). Ionospheric Data.
(Part B). Solar-Geophysical Data.
Limited distribution. These publications are in general disseminated only to those individuals or scientific organizations which collaborate in the exchange of ionospheric, solar, geomagnetic, or other radio propagation data.

Catalog of Data:

A catalog of records and data on file at the U. S. IGY World Data Center A for Airglow and Ionosphere, Boulder Laboratories, National Bureau of Standards, which includes a fee schedule to cover the cost of supplying copies, is available upon request.

The publications listed above may be obtained without charge from the Central Radio Propagation Laboratory, National Bureau of Standards, Boulder Laboratories, Boulder, Colorado, unless otherwise indicated. Please note that the F series is not generally available.

Circulars of the National Bureau of Standards pertaining to Radio Sky Wave Transmission:

NBS Circular 462. Ionospheric Radio Propagation. $1.25.

NBS Circular 465. Instructions for the Use of Basic Radio Propagation Predictions. 30 cents.

NBS Circular 557. Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 megacycles. 30 cents.

NBS Circular 582. Worldwide Occurrence of Sporadic *E*. $3.25.

These Circulars are on sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Members of the Armed Forces should address the respective military office having cognizance of radio wave propagation.

Selected Technical Notes of the National Bureau of Standards:

NBS Tech. Note 2. PB151361. World Maps of F2 Critical Frequencies and Maximum Usable Frequency Factors. $3.50. PB151361–2. $3.50.

NBS Tech. Note 13. PB151372. Technical Considerations Leading to an Optimum Allocation of Radio Frequencies in the Band 25 to 60 Mc. $2.50.

NBS Tech. Note 18. PB151377. Radio Noise Data for the IGY. $2.50.
18–2. PB151377–2. Quarterly Radio Noise Data (Mar.-May 1959). $1.00.
18–3. PB151377–3. (June-Aug. 1959). $1.00.
18–4. PB151377–4, etc. (Sept.-Nov. 1959). $1.50.

NBS Tech. Note 31. PB151390. An Atlas of Oblique-Incidence Ionograms. $2.25.

NBS Tech. Note 40–1. PB151399–1. Mean Electron Density Variations of the Quiet Ionosphere, 1: March 1959. $1.25.
40–2. PB151399–2, etc. 2: April 1959. $1.25.

NBS Tech. Note 117. PB161618. Variations in Frequency of Occurrence of Sporadic E, 1949—1959. $0.75.

These Technical Notes are on sale by the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C. Order by PB number.